CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Rayon plant, Asheville, N. C., American Enka Corp., plans, $10,000,000.

Street improvement, Portland, Ore., election Nov. 6, $6,209,920.

Education, Harrisburg, Pa., Dpt. Property & Supplies, sketches, $5,000,000.

Apartment, New York, N. Y., Central Park Properties, Inc., plans, $4,000,000.

Stores and office, New York, N. Y., Two Hundred Seventy B'way Corp., plans, $2,500,000.

Grade crossing elimination, Cincinnati, O., election in November, $2,000,000.

Roads, Gainesville, Tex., Cooke Co., defeated, $2,000,000.

Schools, Brooklyn, N. Y., Bd. Educ., New York, plan, $1,835,000.

Schools, Tulsa, Okla., voted $1,750,000.

Apartment, Phila., Pa., S. S. Eveland, takes bids in 6 weeks general contract, $1,500,000.

Power plant and garage, Phila., Pa., Morris Wheeler Co., $1,500,000.

Apartment, New York, N. Y., Ashwood Realty Corp., $1,150,000.

Apartment, New York, N. Y., Three Hundred Thirty Nine Central Park West, Inc., est., $1,000,000.

Cement plant, Pownal, Vt., Commonwealth Portland Cement Co., $1,000,000.

Apartments, Jersey City, N. J., Greater New York Housing Corp., $1,000,000.

Theater, etc., Cleveland, O., A. E. Meade, sketches, $1,000,000.

Bridge, Cincinnati, O., election in November, $1,000,000.

Roads, Cincinnati, O., election in November, $1,000,000.

Bids Desired

Office, Cincinnati, O., Oct. 10 by Garber & Woodward, archts., for owner, $1,500,000.

Bids Received

Waterworks, New York, N. Y., Bd. Water Supply, water tunnel contract 224 from Carleton Co., Inc., $10,582,000; Contr. 225 from Del Balso Constr., $10,900,000; Contracts 226 and 227 from Patrick McGovern Inc., $10,473,000 and $11,439,000.

High school, New York, N. Y., W. C. Martin, archt. & supt., general contract from J. T. Brady & Co., and others totalling $2,856,146.

Theater, etc., Asbury Park, N. J., Bd. City Comrs. from Turner Constr. Co., New York, and others totalling $1,584,250.

Foundations, Wash., D. C., Treas. Dpt., from Consolidated Eng. Co., Baltimore, Md., $1,159,700.

Contracts Awarded

Hydro-electric plant, Augusta, Ga., Savannah River Electric Co., subsidiary Southeastern Power & Light Co., New York, owners build., $20,000,000.

Hospital, etc., Cleveland, O., University of Cleveland, to J. Gill & Sons, $5,650,000.

Office, Kansas City, Mo., C. H. Getchell, to Fridstein & Co., Chicago, Ill., est. $1,500,000.

Office, Minneapolis, Minn., Biglow Building Co. to Wells Bros. Constr. Co., Chicago, Ill., est. $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 184.

Construction News of the Week

Waterworks

Proposed Work

Mass., Boston—City, c/o H. J. Stephens, engr., 152 Market St., Paterson, N. J., waterworks, incl. 1,200 lin.ft. 8 in. c.i. pipe, 5 hydrants, 100,000 gal. storage tank, 35 ft. high, rein.-con. base. $20,000.

N. J., Salem—Mayor and Council water pipe line, pilings from Bway. to Grand St. $16,000. H. C. Keasbey, Salem, engr.

Va., Garden City — Garden City Water Corp., Roanoke, R. R. Fairfax, pres., water supply. $100,000.

La., Winnfield—Surveys purchasing or constructing water and light plants. $100,000. Swanson & McGraw, Balter Bldg., New Orleans, engrs.

O., Seven Hills (br. Cleveland)—Village, watermains. To exceed $15,000. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engrs.

Mich., Fordson—Extending 8- to 16-in. mains in 8 avenues. $100,000. A. Roth, 2640 Buhl Bldg., Detroit, engr.

Ill., Waterloo — Preliminary plans extensive waterworks improvements, distribution system. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs.

Minn., Baudette—Water and light plant, incl. Diesel engine. $25,000. R. J. Flynn, village recdr.

Tex., San Antonio—For 2½ mi. mains in Palm Heights Sect., for V. W. Mills. The Tracy, Phila., Pa., or c/o City of San Antonio, City Water Bd., $15,000, mostly pipe. Address I. Ewig, city engr. Noted Feb. 16.

Okla., Barnsdall—Barnsdall Oil Co. electric driven water plant on Bird Creek, near here. $60,000. Private plans.

Okla., Duncan — Preliminary plans extending 14,000 ft. 6 in. mains in Lancaster Addition. $17,000. H. Sullivan, Temple, engr.

Calif., Sacramento—Soon takes bids 60 in. by-pass line at city filtration plant between filter basin and high lift pumps. $37,500. S. J. Hart, city engr.

Bids Desired

Mass., Springfield—Oct. 24, at office Winston & Co., 277 Fair St., Kingston, N. Y., clearing 1,150 acres of which 320 acres shall be grubbed in connection and accordance with provisions of Contr. 11 with City of Springfield, for construction Cobble Mountain Reservoir, near Woronoco. J. H. Craig, secy.; adv. E. N.-R. Oct. 4.

R. I., Slatersville—Slatersville Finishing Co. taking bids filter plant. $15,000. C. T. Main, 201 Devonshire St., Boston, Mass., archt.

N. Y., Long Island City—Oct. 5, by J. J. Dietz, comr. Water Supply, City Hall, New York, mains in Bridge Plaza North, 58th, 62nd and 64th Rds., 50th Ave., 11th, 22nd, 59th, 69th, 74th, 80th, 90th Sts.

N. Y., New York—Oct. 5, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains Pelham Parkway South, Featherbed Lane, Edgewater, Boston and Post Rds., DeReimer, Hobart, Nereid, Oxford, Riverdale, Valles, Colonial, Gerard, Mayflower, Morrison, Underhill, Watson and White Plains Aves., Jarret and Moran Places, East 149th, East 172nd, West 232nd, West 256th, East 156th, East 196th and East 219th Sts.

N. Y., Wanakena—Oct. 16, by Dpt. Educ., Education Bldg., Albany, water supply, at State School of Forestry, St. Lawrence Co. $32,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Md., Baltimore — Bd. Awards, mains in Stevenson Lane, to Ligon & Ligon, 3110 Ridgewood Ave., $115,582; in York Rd., to M. & J. B. McHugh, Citizens Natl. Bank Bldg., $113,520. Noted Sept. 13.

W. Va., Bluefield — See "Contracts Awarded."

Fla., Palmetto—Oct. 22, by City Comrs., pumping plant building, piping, valves, Main Eng. Co. Inc., 112 Baker St., Daytona Beach, engrs.

Miss., Calhoun—Oct. 16, by Mayor and Bd. Aldermen, 28,830 ft. 2 and 6 in. c.i. mains, 15 fire plugs. Morgan & Co., Edwards Hotel Bldg., Jackson, engrs.

Miss., Decatur—Oct. 15, by Mayor and Bd. Aldermen, complete waterworks, distribution system, sanitary sewerage system. $45,000. Morgan & Co., Edwards Hotel Bldg., Jackson, engrs.

Miss., Jackson—Oct. 11, by W. C. Trotter, secy. State Building Comn., reservoir, pump house, deep well, pipe connections for Agricultural & Mechanical College. C. H. Lindsley, Lamar Life Bldg., archt.

Ind., Tipton—Oct. 5, by Common Council, at office N. D. Smith, city clk., motor driven 2 stage air compressor, air and water pipe fittings, electrical wiring, conduit and switches installed for operation.

Mich., Detroit—Oct. 10, by Dpt. Water Supply, 73,000 cu.yd. excav., 10,000 cu.yd. embankment for power structures at Springwells Pumping Station. G. H. Fenkell, Water Bd. Bldg., engr.

Mich., Detroit—Oct. 17, by Bd. Water Comrs., 10,000 g.p.m. electric motor driven centrifugal pumping unit with auxiliary equipment; G. H. Fenkell, genl. mgr. and ch. engr.; adv. E. N.-R. Oct. 4.

Mich., Detroit — Oct. 24, by Bd. Water Comrs., 6,487 ft. Sect. 5, Springwells Tunnel. G. H. Fenkell, genl. mgr. & ch. engr.; adv. E. N.-R. Oct. 4.

Tex., Archer City—Oct. 23, by City, c/o G. H. Bell, secy., waterworks, incl. 100,000 gal. elevated tank, pump houses, machinery, concrete reservoir. Montgomery & Ward, Wichita Falls, engrs. Noted Sept. 20.

Okla., Hobart — Oct. 9, by C. R. Williams, city clk., new purification plant, 7,000 ft. c.i. mains, motor driven centrifugal pump. $46,000. Benham Eng. Co., Perrine Bldg., Oklahoma City, engrs. Noted Sept. 6.

Okla., Tulsa—Bids about Oct. 15, filtration plant at Mohawk Lake. $600,000. V. H. Cochrane, Wright Bldg., Tulsa, and Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Aug. 9.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bedford Ave. and Bergen St., to N. DeStefano, 378 Woodstock Ave., West New Brighton, $42,995. Noted Aug. 30.

See proposal advertising on page 140

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

N. Y., St. George — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Buel, Cornelia, Fremont, Henderson and Lincoln Aves., to Knight & DeMicco, Inc., 4197 Park Ave., New York, $15,490. Noted Sept. 6.

W. Va., Bluefield—West Virginia Water Serv. Co., 125 m.g. concrete arch wall type storage dam, 90 ft. high, in Bailey hollow east of Ada dam, lake covering 16 acres land, own forces under supervision E. L. Wilson, mgr. P. Wks. Eng. Corp., 40 Exchange Pl., New York, engrs.

La., Plain Dealing—Mayor, constructing reservoir, foundation and pump house, to C. J. Montgomery, Kaplan, $6,665; c.i. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $15,438; steel pipe, to Dixie Mill & Supply Co., 901 Tchoupitoulas St., New Orleans, $1,831; hydrants, valves, to Columbian Iron Wks., 2501 Chestnut St., Chattanooga, Tenn., $2,613; laying pipe, setting hydrants, to W. H. O'Toole Constr. Co., Shreveport and Monroe, $7,040; water well, to Gray Artesian Co., Pensacola, Fla., $3,789; fire pumps, to Fairbanks-Morse Co., 1000 St. Charles St., New Orleans, $5,580; tank and tower, to Pittsburgh-Des Moines Steel Co., Praetorian Bldg., Dallas, Tex., $4,625. Grand total $47,581. Noted Aug. 30.

La., Sulphur—Mayor and Bd. Aldermen, waterworks, to C. B. Stewart, 406 3rd St., Baton Rouge, $35,300; 50,000 gal. tank, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill.; water well to Layne-Louisiana Co., Sulphur. Noted Sept. 6.

O., Cleveland—Cuyahoga Co., 8,200 ft. 6 and 8 in. c.i. mains Impvt. 1356, to Huron Constr. Co., 640 Huron Rd., $19,113.

O., Maple Heights (br. Cleveland)—Mains in Mendota Ave. and Turney Rd., to Hadded-Mall Co., Schofield Bldg., Cleveland, $16,448; Rovena and Shirley Aves., to N. F. Salem, 14316 Ashwood Ave., Cleveland, $15,713.

Ill., Chicago—Bd. Local Impvts., City Hall, water service pipes in Melvine, South St. Louis, South Hamilton, North Harding, Springfield, Avers and Hamilton Aves., to Reliance Plumbing Co., 2430 West Van Buren St.; Newport Ave., Eddy, Roscoe, Henderson and Melrose Sts., to P. J. Collins, 5521 Bway.; West 50th, 55th, 57th and 58th Places, West 56th, 57th and 58th Sts., to Walsh & Metzgar, Inc., 6828 South Chicago Ave. Noted Sept. 13.

Ill., Dupo — Waterworks extension, distribution system, to Grabbe Constr. Co., Alton, $32,000.

Ill., Park Ridge—For 4- to 8-in. mains, to Nic Santucci, Niles Center, $49,340, est. $59,000; 6- to 10-in. mains, to C. M. Porter, 228 North La Salle St., Chicago, $26,843. Est. $31,500.

Minn., Hibbing—G. P. Kolstad, village recdr., 2 to 3 m.g. concrete reservoir, to Gust Anderson, Hibbing. Est. $50,000-$75,000. Noted Aug. 23.

Minn., Minneapolis — F. S. Gram, city purch. agt., 12,000 lin.ft. 6 in. c.i. pipe 12 ft. and few 24 ft. lengths, to American Cast Iron Pipe Co., 712 Plymouth Bldg., for Water Dpt. $10,661. Noted Sept. 13.

Neb., Lincoln—T. H. Berg, city clk., rein.-con. reservoir at A Street Pumping Station, to R. O. Stake, 802 East 10th St., $56,648; 8 in. vitr. clay sewers in Dist. 321, to G. L. Vlasnik, 1721 South 22nd St., $13,692. Noted July 12.

S. D., Yankton — J. W. Summers, city aud., low service pump houses, water treatment plant, low service discharge line, to Henry Olsen & Sons, Dakota City, Neb., and Ellerman & McLain, Yankton; 3 pumps, deep well, to Fairbanks-Morse Co., 900 South Wabash Ave., Chicago, Ill. Est. $75,000. Noted Aug. 23.

N. D., Grand Forks—For 10 in. c.i. main between pump house and Great Northern Ry. Co. round house, to W. J. Smith, Grand Forks, $22,000.

Mo., California — Waterworks distribution system and sewers, to W. B. Carter, 7 North Rockford St., Tulsa, Okla. Est. $28,000 and $8,000 respectively. Noted Sept. 13.

Tex., Denton—Storage reservoir, to Tibbetts Constr. Co., Neal P. Anderson Bldg., Ft. Worth, $15,700.

Tex., Graham — Constructing reservoir (earth dam), to Womack Constr. Co., Sherman, $141,928. Noted May 3.

Tex., Seguin — P. Tartt, engr., Moore Bldg., San Antonio, 1 m.g. purification plant, to P. Schriewer, Seguin, $36,810. Noted Sept. 13.

Okla., Oklahoma City—Extending 47,800 ft. 8- to 12-in. c.i. mains, to Sherman Iron Wks., 18 East Main St., $65,116. Est. $81,000.

Wash., Edmonds—W. T. Batcheller, Inc., engrs., Dexter Horton Bldg., Seattle, 500,000 gal. steel standpipe or storage tank, 10 mi. distribution mains, incl. fire hydrants, to Monarch Constr. Co., Aberdeen, $105,180. Est. $150,000. Noted Aug. 30.

California — Hynes-Clearwater Water Dist., 94 fire hydrants and gate valves for waterworks in Hynes or Clearwater to Rensselaer Valve Co., Wright-Callendar Bldg., Los Angeles, $4,490 and $4,808 respectively; 100,000 gal. elevated steel water tank, to Pittsburgh-Des Moines Steel Co., 554 South San Pedro St., Los Angeles, $6,860; 4- to 10-in. c.i. pipe, 16 ft. lengths, to American Cast Iron Pipe Co., Detwiler Bldg., Los Angeles, $46,807; laying watermains, to L. Webster, Balboa, $22,266. Grand total $85,231. Noted June 28 under "Hynes."

Calif., Colusa — B. L. McCue, city clk., 150,000 gal. steel water tank, tower, to Chicago Bridge & Iron Wks., Rialto Bldg., San Francisco, $8,560. Noted Aug. 23.

Sewers

Proposed Work

R. I., Providence — City, Dpt. P. Wks., City Hall, soon takes bids 1 story sewage disposal plant, Fields Point Sect. $40,000 or more. T. J. H. Pierce, City Hall, engr. Noted July 26.

Conn., New Haven — Sewers in State, Orange, Court and Grove Sts. $105,000. E. Nettleton, City Hall, engr.

Conn., New London—City, disposal plant, new sewers in Riverside Sect. $65,000. G. E. Watters, City Hall, engr.

N. J., Union — Twp. Com., Town Hall, sanitary sewer in Boston Rd., Tuxedo and Brunswick Pls., Gerard and Windsor Aves., Chicago and Arcadia Sts. $25,000. H. Kreh, Falls Bldg., twp. engr.

Pa., Pittsburgh—See "Strets and Roads."

Ill., Montgomery — Sewers. $40,000. Kelker, DeLeuw Co., 111 West Washington St., Chicago, engrs.

Ia., Burlington — Preliminary plans concrete or brick arch sewer, lateral connections through Bonn's Hollow, Prospect Hill. $70,000. H. A. Vollmer, City Hall, engr.

Minn., Proctor — P. M. McCabe, village recdr., 2 mi. sewers. $30,000.

Neb., Hemingford—Soon takes bids 26,700 ft. 8- to 12-in. sewers, 536 wyes, 63 manholes, 5 standard flush tanks, 1,200 ft. ¾ in. galvanized pipe, disposal plant. $48,913. Henningson Eng. Co., $326-30 Union State Bank Bldg., Omaha, engrs.

Mo., St. Louis—Preliminary plans brick, segmental block and vitr. clay sewers in Stratford Avenue Joint Sewer Dist., $67,000; vitr. clay sewers in Smiley Avenue Joint Sewer Dist., $7,300; vitr. clay storm sewers in Rock Creek Storm Water Sewer Dist. 12, $6,900. W. W. Horner, City Hall, engr.

Okla., Cordell—Preliminary plans sanitary sewer extensions. $25,000. F. F. Ford, Cordell, engr.

Okla., Gotebo—New sanitary sewerage system. $30,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hennessey—Sanitary sewer extensions. $35,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Perry — Sewage disposal plant. $25,000, Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Aug. 9.

Okla., Thomas—New sanitary sewerage system, disposal plant. $35,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Wash., Clarkston—City Clerk bids within 30 days trunk line sewer, with septic tanks, in greater part city. $106,000.

Calif., Azusa — Treatment plant, trunk lines, outfall sewer. $100,000 bond election soon for same. Currie Eng. Co., Andreson Blk., San Bernardino, engrs. Noted Sept. 13.

Calif., Laguna Beach—Sewerage system in section southeast of Laguna Sanitary Dist. To exceed $25,000. A. J. Stead, city engr.

Calif., Riverside—Westside Storm Drain, 18- to 36-in. pipe, $40,000. R. E. Brown, city engr.

Ont., Hamilton — Council, sewage disposal plant for eastern section city. $193,000. W. L. McFaul, City Hall, engr.

Ont., Oshawa—City Council 1½ mi. 8 in. and up vitr. tile, concrete sewers in Rosedale, Kingsdale, Mitchell and 1st Aves., Leslie, St. Julien, Bloor and Simcoe Sts. $40,000. W. C. Smith, Municipal Offices, engr.

Ont., Sandwich — East Sandwich Twp. Council, covered drain. $125,605. J. J. Newman, Davis Blk., Windsor, engr.

Bids Desired

Mass., Worcester—City, A. B. Holmstrom, supt. sewers, taking bids pumping station, Proctor St. G. A. Johnson, 16 Norwich St., archt.

N. Y., Patchogue — Oct. 16, by Village, Sewer Dist. 1, sewer extension in North Ocean Ave. and Oak St. H. B. Cleveland, 225 Bway., New York, consult. sanitary engr.; adv. E. N.-R. Oct. 4.

N. J., East Orange — Oct. 8, by City Council, L. E. Howley, clk., 8,620 lin.ft. 12 in. to 5½ ft. vitr. or salt glazed drain in Lloyd Brook Valley between Hamilton St. and Bloomfield town line in Lawrence St.

N. J., West Orange—Oct. 16, at Junior High School, Caston Ave., sanitary sewers in area between 1st and 2nd Mountains. A. Potter, 50 Church St., New York, consult. engr.; adv. E. N.-R. Oct. 4.

Miss., Decatur—See "Waterworks."

Miss., Newton — Oct. 12, by Mayor and Bd. Aldermen, sewers in certain streets. P. A. O'Brien, Jackson, engr.

Tenn., Knoxville—Director P. Serv., bids about Oct. 15, 2.5 mi. rein.-con. or vitr. clay trunk sewer, river outfall, in Vestal Sewer Dist., $200,000; 2 mi. William Creek Trunk line serving Park City Dist., $200,000. W. W. Maynette, city engr. Noted Aug. 30.

O., Canton—Service Director bids about Oct. 26, 15 mi. sewers in Fairmont Park area, incl. 12 streets. $153,829. W. E. Sarver, City Hall, engr. Noted May 4.

Mich., Detroit—Oct. 10, by Dpt. P. Wks., City Hall, 5,063 ft. 7 ft. 6 in. to 4 ft. cylinder in Warren Ave. Arm E, Southfield Sewer in Warren Ave.; 4,191 ft. 10 ft. 6 in. to 8 ft. 3 in., West Chicago Arm, Sect. 2, East of River Rouge in West Chicago Ave.; 4,236 ft. 10 ft. 6 in. to 8 ft. 3 in. Tireman Ave., Sect. 2, East of Rouge River in Tireman Ave.; 2,816 ft. 7 ft. to 5 ft. Moffat Ave. Arm East of Fisher Ave. in Moffat Ave.; 2,746 ft. 9 ft. to 5 ft. Regular Ave. Arm West of Cavalry Ave. in Regular Ave.; 538 ft. 5 ft. 6 in. Christiancy Ave. Arm East of Cavalry in Christiancy; 6,676 ft. 11 ft. 9 in. to 6 ft. Rivard Sewer Sect. 1, in Mack, Cadieux and Marseilles Aves.; 5,708 ft. 6 ft. to 2 ft. 9 in. Mack Ave. Arm North of Marseilles Ave.; 5,257 ft. 7 ft. to 4 ft. 6 in. and 2 ft. 9 in. Paul Ave. Arm East of Southfield in Paul Ave. P. A. Fellows, City Hall, engr.

Mich., Grand Rapids—Oct. 10, by F. H. Locke, city mgr., High Level Sewer Contr. V-67, 2,526 ft. 6 x 6 ft., 1,086 ft. 6 x 8 ft. rein.-con. pipe; also rein.-con. deck girder bridge. M. Adams, City Hall., engr.

Ill., Robinson—Oct. 9, by Village, sewage treatment plant, outfall sewers. $56,000. Kelker De Leuw Co., 111 West Washington St., Chicago, engrs.

Tex., Archer City—Oct. 23, by City, c/o H. G. Bell, secy., 1,250 ft. 10 and 12 in. c.i. and 16,861 ft. 6- to 12-in. vitr. clay sewers, sewage treatment plant. Montgomery & Ward, Wichita Falls, engrs. Noted July 26.

Tex., Asherton — Oct. 11, by City, c/o F. E. Shumann, mayor, 21,150 ft. 6- to 10-in. sewers. $25,000. A. P. Hancock, Dilley, resident engr. Noted July 5.

Tex., Dilley—Oct. 10, by City, c/o R. Busby, mayor, sewerage system, disposal plant, incl. 38,500 ft. concrete pipe. $35,000. A. P. Hancock, resident engr. Noted Aug. 2.

Tex., San Antonio — Oct. 15, by City Comrs., 2 mi. 12- to 18-in. vitr. or concrete sewers $28,000, and 1,500 ft. 36 in. c.i. sewers $30,000, in Palm Heights addition. I. Ewig, City Hall, engr. Noted Feb. 16.

Okla., Ada — Oct. 16, by L. Daggs, city clk., sanitary lateral sewers in 5 sanitary Sewer Dists. To exceed $25,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Calif., San Rafael—E. W. Smith, city clk., taking new bids pumping plant, outfall sewer. Former bids rejected. Noted Sept. 20.

Contracts Awarded

N. Y., Dunkirk—Sewage disposal plant, intercepting sewer, 7,000 ft. lake wall, to Thomas-Moore, Inc., 177 Elk St., Buffalo, $697,462. Noted Aug. 23.

N. Y., Mamaroneck — Town Bd., storm water drainage system, to W. B. Freeman, 282 Harrison Ave., Harrison, $48,314. Noted Sept. 20.

N. J., Red Bank — Boro Council, Boro Hall, sewage treatment plant, to H. L. Harrison & Son, 31 Clinton St. Est. $50,000. Noted Aug. 30.

La., New Orleans — Sewerage & Water Bd., 526 Carondelet St., 15,000 kw. turbine with condenser and air cooler, to Western Electric & Mfg. Co., 3308 Gravier St., $281,000; 7 pumps to Dibert, Bancroft & Ross Co., 3400 Tulane St., $138,000. Noted July 12.

La., Plain Dealing—Mayor, 35,815 lin.ft. concrete sewer, to Shearman Concrete Pipe Co., Shreveport, $8,183; disposal plant, laying pipe, to W. H. I'Toole Constr. Co., Monroe and Shreveport, $30,084. Noted Aug. 30.

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Gavin Hadden, Engineer, New York City. Northwestern University Stadium, Evanston Ill.

Bates and Rogers Construction Co., Contractors, Chicago. Manholes and Conduits for Commonwealth Edison Co., Chicago.

W. A. Hunt, Architect, Hibbing, Minn. Grand Stand, Hibbing.

T. A. Evans, Chief Engineer, Chicago. Wacker Drive, Chicago.

Fritz-Rumor-Cook Co., Contractors, Columbus, Ohio. Concrete Base for Approach to Union Station, Columbus.

Charles White, Superintendent, Logan, W. Va. East Stratton Street Pavement, Logan.

S. P. Cray, City Engineer, Chippewa Falls, Wis. Duncan Street Bridge, Chippewa Falls.

Hazen Albaugh, Contractor, Berwyn, Ill. Post Office, River Forest, Ill.

R. W. Ambler, Engineer, Chicago Surface Lines. Underpinning for Office Building, Chicago.

Haring Brothers, Contractors, Clinton, Ia. Store Entrance, Clinton.

George H. Hill, Maintenance Engineer, W. Va. Road Commission. Maintenance on State Highway System.

Dohm Construction Co., Contractors, Eveleth, Minn. Eveleth High School.

Birt and Driscoll, Contractors, Decatur, Ill. Pavement Base over Trench, Decatur.

Frank Humphrey, Contractor, Cherokee, Ia. Bridge, Inwood, Ia.

Roth Construction Co., Contractors, Boonville, Ind., Water Reservoir, Boonville.

B. C. Wooley, City Engineer, Le Mars, Ia. Street Intersection, LeMars.

James Gamble Rogers, Architect, New York City. Northwestern University Stadium, Evanston, Ill.

Salo and Wiinimaki, Contractors, Duluth. Michigan Street Concrete Pavement, Duluth.

Fred Lohman, City Engineer, Champaign, Ill. Intersection Church and New Streets, Champaign.

J. C. Nelson and Son, Contractors, Minneapolis. Floor Topping, McGill Lith. Co., Minneapolis.

Appleton (Wis.) Construction Co., Contractors. Addition to Post Office, Waukesha, Wis.

Alfred Brown, Contractor, Holcombe, Wis., Bridge, Chippewa Falls.

Edwin Hancock, Engineer, Chicago. Concrete Intersections, State Highway No. 18, LaGrange, Ill.

UNIVERSAL PORTLAND CEMENT CO.
208 South La Salle Street, Chicago

Without obligation, please send me information on how to secure concrete as strong at 3 days as ordinary concrete at 28 days by using approved methods and the *usual* materials, *usual* equipment, *usual* labor and *usual* Universal cement.

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City .....

State .....

ENR 10-4-28

John Wilson, City Engineer, Duluth. Concrete Pavements, Duluth.

Mathey Brothers, Contractors, Le Mars, Ia. Hospital Driveway, LeMars.

Charles Brossman, Engineer, Indianapolis. Concrete Reservoir, Boonville, Ind.

J. B. French Co., Contractors, Chicago, Dyche Stadium, Evanston, Ill.

A. Larson Co., Contractors, Eau Claire, Wis. Bridge Approach, Eau Claire.

Rupert Wilson, City Engineer, Logan, W. Va. Street Pavements, Logan.

Frank J. Vester, Contractor, LaFayette, Ind., Floor, Dreyfus Packing & Provision Co., Lafayette.

Grant Ford, Chief Engineer, Wausau, Wis. Car Barn, Wisconsin Valley Electric Co., Wausau.

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F. N. Smith & R. C. Emerick, Contractors, Vandalia, Ill. State Street Pavement, Vandalia.

Thomas Cronin Co., Contractors, Pittsburgh. Pavement between Car Tracks, Pittsburgh.

R. H. Fuller, County Engineer, Rock Rapids, Ia. Bridge, Inwood, Ia.

J. D. Campbell, Superintendent, Cleveland. Concrete Floor, Otis Steel Co., Cleveland.

Carl Lash, City Engineer, Martin's Ferry, Ohio. Concrete Intersections, Martin's Ferry.

D. Quakenbush, Superintendent, Batesville, Ind. Filtering Plant, Batesville.

McCloskey and Co., Inc., Contractors, Philadelphia. High School, Philadelphia.

William Sevic, Architect, Chicago, Post Office, River Forest, Ill.

M. P. O'Brien, City Engineer, Decatur, Ill. Concrete Trench Cap, Decatur.

Boone and Easton, Contractors, Bluefield, W. Va. Swift and Co. Building, Williamson, W. Va.

J. T. Ellison, Chief Engineer, Minnesota State Highway Department. Repairs on State Highway System.

Hugo Schmidt, Architect, Chicago Surface Lines. Concrete Work on Office Building, Chicago.

Mid-Continent Construction Co., Contractors, Chicago. Wacker Drive, Chicago.

Dennison Fairchild, Superintendent, Duluth. Northern Pacific R. R. Bridge, Superior, Wis.

Columbia Construction Co., Contractors, Michigan City, Ind. Concrete Pavement, Michigan City.

H. E. Fetterhof, City Engineer, Lewistown, Pa. Concrete Street Intersections, Lewistown.

C. H. Campbell, Asst. Div. Engineer, Logansport, Ind. Pennsylvania R. R. Bridge, Kokomo, Ind.

Braun-Fleming-Knollman and Prior, Consulting Engineers, Columbus, Ohio. Concrete Base for Pavement, Columbus.

M. G. Sollenberger, Contractor, Harrisburg, Pa. Driveway, Hoffman Coal and Supply Co., Harrisburg.

F. C. Reynolds, Construction Supervisor, Chicago. Loading Platform, Lehon Co., Chicago.

Consolidated Engineering Co., Contractors, Wheeling, W. Va. Street Intersections, Martin's Ferry, Ohio.

J. T. Hurd, City Engineer, Eau Claire, Wis. Bridge Approach, Eau Claire.

Virgil Johnson, Engineer, Philadelphia. Junior High School, Philadelphia.

Grogan and Ryan, Engineers, Chicago. Laundry Tubs, Chicago Granitine Co.

Paul R. Hostetter, Contractor, York, Pa. Bridge Approaches, LeMoyne, Pa.

E. H. King, Engineer, Buffalo, N. Y. Tower Foundation, Nat. Aniline & Chem. Co., Buffalo.

Frank A. Somers, Contractor, Urbana, Ill. Concrete Street Intersections, Champaign, Ill.

W. L. Hitt, Engineer, East Pittsburgh, Pa. Westinghouse Electric Co. Building, East Pittsburgh.

S. W. Jonason & Co., Contractors, Aberdeen, S. D. Ward Hotel, Aberdeen.

George F. Steckrath, Contractor, Middletown, Ohio. Filling Station Driveway, Middletown.

Masters-Mullen Construction Co., Contractors, Cleveland. Concrete Driveway, Baltimore & Ohio R. R. Cleveland.

Walter R. Heath, Contractor, Sullivan, Ind. Concrete Foundations for Court House, Sullivan.

Consolidated Engineering Co., Contractors, Wheeling, W. Va. Quarry Street Pavements, Wheeling.

Powers-Thompson Construction Co., Contractors, Joliet, Ill. Concrete Street Pavements, Barrington, Ill.

M. W. Chambers, Architect, East Pittsburgh, Pa. Westinghouse Electric Co. Building, East Pittsburgh.

Howard Dawson, Engineer, Braddock, Pa. Cupola Blower Foundation, Braddock.

Irwin Catherine, Architect, Philadelphia. Junior High School, 18th and Chelton Sts., Philadelphia.

Linn White, Engineer, South Parks Commission, Chicago. Congress Street Bridge, Chicago.

Sewers (Continued)

O., Lyndhurst (br. Cleveland)—Sewer in Professor Ave., to Galuppi Constr. Co., 949 Stevenson Rd., Cleveland, $25,882.

O., Maple Heights (br. Cleveland)—Sewers in Mendota Ave. and Turney Rd., to Hadded-Mall Co., Schofield Bldg., Cleveland, $26,234; Rowena and Shirley Aves., to N. F. Salem, 14316 Ashwood Ave., Cleveland, $24,525.

Ind., Indianapolis—Bd. P. Wks., Pleasant Run and Keystone Ave. Sewers, to Columbia Constr. Co., 2108 Columbia St., $87,000 and $48,739 respectively. Noted Aug. 23 and Sept. 13.

Mich., Grand Rapids—F. C. Locke, city mgr., West Side Interceptor Ditch, Contr. V-1, to Fry & Kain, 618 Prospect St. N.E., $67,000.

Ill., Chicago — Bd. Local Impvts., City Hall, tile sewers, brick manholes, catch basins in 2 alleys, West 127th, 128th and 129th Places, West 128th and Wallace Sts., Emerald, South Union, Parnell, Normal and Eggleston Aves., to Marcini & Ventrella; West 79th Pl., Lansing, North Cicero and South Union Aves., to F. Peyrot, 4309 North Mason Ave.; Avenue C, Montrose, Culver, North McVickers, Meade, Moody, Melvina, Merrimac, Mulligan, and Narragansett Aves., to M. Pantarelli, 4848 Dakin St.; Avenue B, to O. Scully, 8658 Laflin St.; Monticello and Foster Aves., to L. Scully, 82 West Washington St.; Garland Court, to Contracting & Material Co., 42 East Pearson St.; drains in Hilldale, Forest Glen, North Keating, North Kilpatrick, Kingsdale, Kirby and Kerbs Aves., to Marco De Vito; Indiana Ave., North Lincoln St., East 72nd Pl., 55th, 56th, 57th and 58th Places and Sts., to M. Murphy, 5733 South Peoria St.; West 95th, 100th, East 90th, 95th, 96th and 97th Places, South St. Louis Ave., East 90th, 91st and 97th Sts., to A. Santucci, 916 South Ashland Blvd.; Grover, Ainslie, Gunnison, North Menard and Lyman Sts., Bryn Mawr, Ardmore, North Merrimac, Melvina, Moody, Nagle, Meade, Cicero, McVickers, Logan, Mulligan and Mobile Aves., to Nick Ranieri, 5036 Montana Ave. Noted Sept. 6.

Ill., Park Ridge—For 8- to 36-in. vitr. clay and 42 and 48 in. rein.-con. sewers to Nic Santucci, Niles Center, $113,635, est. $122,735; 12- to 36-in. vitr. and 42 in. rein.-con. sewers, to C. M. Porter Co., 228 North La Salle St., Chicago, $74,391 est. $99,000.

Wis., Madison—See "Streets and Roads."

Neb., Gordon—City Clerk pumping station, Imhoff tank, filter plant, to J. A. Parr, Chadron, $31,672. Est. $30,000. Noted Sept. 13.

Neb., Lincoln—See "Streets and Roads."

Mo., California—See "Waterworks."

N. D., Fargo—A. R. Watkins, city aud., monolithic trunk sewer in 7th St. S. between 2nd and 5th Aves., and from 2nd Ave. and 7th St. across Island Park to Red River, to M. J. Kennedy, Fargo, $33,113. Noted Aug. 30.

Okla., Oklahoma City—For 6,600 ft. storm sewer in May Ave., to W. B. Carter, 7 North Rockford St., Tulsa, $29,886. Est. $38,000. Noted Sept. 6.

Okla., Tulsa—Sanitary Sewer Project 31, to Standard Paving Co., 2119 East 11th St., $72,887. Est. $78,000.

Wash., Seattle—Bd. P. Wks., sewers in Fauntleroy Ave., to McHugh & Coluccio, 517 3rd Ave. N., $27,088; 34th Ave. S. W., to F. Arcocrace, 8423 48th Ave. S., $52,444.

Calif., Los Angeles—Los Angeles Co., 8- to 15-in. D and W sewers in Walker and Baker Aves., Impvt. 773, to Ducich Co., 431 East 82nd St., $81,860.

Calif., Los Angeles—A. D. Soule, secy. Sanitary Dist. 2, Downey-Bellflower Trunk Sewer between Walnut Ave. and Center St., to Magenovich & Gillespie, 1029 West 36th St., $24,080.

Waste Disposal

Contracts Awarded

N. Y., Brooklyn—Brooklyn Ash Removal Co. Inc., at office Dpt. Street Cleaning, Municipal Bldg., New York, buildings and superstructure for incinerator plant on Gowanus Canal, to Tilt-Hargan Co., 90 West Bway., New York, $465,000. Noted Aug. 30.

N. Y., Elmira—H. Markson, city clk., City Hall, Sept. 10, mixed refuse incinerator plant, to Hiler Eng. & Constr. Co., 122 Livingston St., Brooklyn, $129,291. Noted Aug. 30.

Tex., Houston—Garbage disposal plant, to Nye Odorless Crematory Co., Macon, Ga., $60,000. Est. $75,000. Noted July 16.

Bridges

Proposed Work

N. J., Somerville—Bd. Freeholders Somerset Co., Court House, preliminary plans steel, concrete bridge over South Branch. $45,000. O. Smith, Court House, co. engr.

O., Dayton—Soon take bids new concrete abutment, new floor, replacing 80 ft. truss span with 30 ft. girder span for bridge on Herman Ave. $25,000. J. F. Hale, city engr.

Minn., Fairfax — State Hy. Comn., St. Paul, concrete, steel bridge over Minnesota River, 7 mi. south of here.

N. D., Fargo—Great Northern Ry. Co., J. R. W. Davis, ch. engr., Ry. Exch. Bldg., St. Paul, Minn., 170 ft. steel truss span bridge with two 420 ft. timber approaches over tracks, on 12th Ave. N. between 20th and 24th Sts.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans 4 span 84 ft. rein.-con. bridge over West Elk Creek near Sentinel, Washita Co. $30,000. C. R. Mandigo, hy. engr.

Oklahoma—Blaine Co. preliminary plans 8 span 170 ft. pile trestle bridge over Deep Canyon near Geary, $30,000—7 span 150 ft. pile trestle bridge over Reblin Creek, near Eagle City, $25,000—2 span 66 ft. bridge over Moose Creek, near Canton, $25,000. C. W. Simonds, Watonga, engr.

Okla., Sayre — Beckham Co., preliminary plans replacing 75 ft. pile bridge with 80 ft. rein.-con. bridge $25,000. R. N. Higgins, Sayre, engr.

Bids Desired

New York and New Jersey—Nov. 5, at office Chief Executive Officer, Port of New York Authority, J. F. Galvin, chn., 75 West St., New York, steel work for Kill van Kull Bridge between Bayonne, N. J., and Port Richmond, N. Y. Noted Aug. 16.

N. J., Kearny (sta. Arlington)—Oct. 10, by Town Council, Town Hall, rein.-con. bridge over right-of-way and Greenwood Lake Division, Erie R.R., on Chestnut St. W. B. Ross, town clk. Noted June 28.

Maryland—Oct. 9, by State Roads Comn., Baltimore, 4 rein.-con. slab bridges, Contrs. Ch-52-55 (inclusive), Charles Co. J. N. Mackall, chn.

Tennessee—See "Streets and Roads."

Kentucky—See "Streets and Roads."

Ohio—Oct. 13, by H. J. Kirk, dir. Hys., Columbus, concrete bridges in Columbiana, Coshocton, Holmes, Lake, Licking, Marion, Montgomery and Williams Counties, $159,871; steel viaduct, approaches on Cincinnati-Dayton Rd., Montgomery Co., $122,963.

Indiana—Oct. 9, by J. D. Williams, dir. State Hy. Comn., Indianapolis, boring 400 lin.ft. 10 test holes for found. bridge over Wabash River at Vigo St., Vincennes, between Knox Co., Ind., and Lawrence Co., Ill.

Ill., Dundee — Oct. 8, by Village, foot bridge over Fox River. Suhr, Berryman, Peterson & Suhr, 130 Wells St., Chicago, engrs.

Ill., Edwardsville — See "Streets and Roads."

Minn., Duluth—Oct. 15, by G. P. Phillips, city comr., 750 ft. vertical lift bridge with 386 ft. span. $550,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., bridge engrs.

Kan., Kingman—Oct. 8, by Clerk Kingman Co., Spivey Bridge, nineteen 20 and 24 ft. concrete slab spans $30,000—twelve 20 x 20 ft. slab span bridge over San Creek $20,000—thirteen 30 x 20 ft. deck girder span bridge over Smoot Creek $30,000—two 350 x 20 ft. Ford type bridges over Smoot Creek. $3,800. C. C. Martin, Court House, engr.

Texas—Oct. 15, by G. Gilchrist, state hy. engr., Austin, timber bridge on Hy. 8, State Aid Project 719-C, Panola Co. $72,000. D. K. Caldwell, Carthage, co. engr.

California—Oct. 17, by State Hy. Dpt., Sacramento, replacing bridges with thirty-nine 19 ft. timber span on pile bent bridge across Ash Creek; twenty-two 19 ft. timber span bridge on frame bents, with concrete pedestals across Barenda Slough, Madera Co. C. H. Purcell, engr.

Bids Received

D. C., Wash. — District Comrs., District Bldg., Sept. 20, steel girder bridge in line of M St. crossing Rock Creek, from Adams & Marina, Old Town Natl. Bank Bldg., Baltimore, Md.; from Ligon & Ligon, 3310 Ridgewood Ave., Baltimore, Md.; from Weeld Constr. Co., Oliver Bldg., Pittsburgh, Pa.; from Frederick Snare Corp., 114 Liberty St., New York, N. Y., from McLean Contg. Co., Fidelity Bldg., Baltimore, Md.; from Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, Md.; from G. B. Mullin, 1296 Upshur St.; from Farris Eng. Co., Empire Bldg., Pittsburgh, Pa. Noted Aug. 23.

Contracts Awarded

R. I., Pawtucket—City, Eng. Dpt., City Hall, 210 ft. rein.-con., and granite bridge, on Exchange Pl., to Cruise Constr. Co., 19 Dexter St., $194,142. Noted Sept. 27.

Conn., North Windham—New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., New Haven, rebuilding concrete, steel bridge, to V. N. Famiglietti, 202 Bway., Providence, R. I., $50,000.

N. Y., Rye—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, stone, rein.-con. bridge, on Boston Post Rd., Cross Country Parkway, to M. Marinelli, Pondfield Rd., Bronxville, $97,409. Noted Sept. 13.

N. J., Trenton—Mercer Co., 3 bridges over Stoney Brook, at Glen Moore, to W. Driver, Slack Ave., Slackwood, $57,875. Noted Sept. 12.

Pa., McDonald—Washington Co., Court House, Washington, general contract 1 span, 44 ft. concrete encased bridge, 23 ft. over Raccoon Creek 10, to Patriello Bros., Brownsville. Est. $35,000. Noted Aug. 2.

Pa., Pittsburgh—Comrs. Allegheny Co., Court House, general contract repairing Shaw Hollow Bridge, on Fleming Park Rd., to Booth & Flinn, Ltd., Forbes St., $24,159. Est. $30,000.

Virginia—Eastern Virginia Bridge Co., C. W. Ward, pres., 2314-A Grove St., Richmond, transferred franchise to Highway Bridges, Inc., 57 William St., New York, who has awarded contract steel toll bridge, 9 truss spans ranging in length from 295 ft. simple spans near shore to central cantilever span of 478 ft. over main channel, steel grider viaduct at each end, across York River between Yorktown and Gloucester Point, to McClintic-Marshall Constr. Co., Oliver Bldg., Pittsburgh, Pa. Est. $2,500,000. Noted Nov. 3, 1927.

W. Va., Morgantown—Monongalia Co., superstructure 1 span bridge, to E. R. Mills, Covington, Ky., $91,000.

Ohio—H. J. Kirk, dir. Hys., Columbus, 2 span concrete bridge over Plum Run, and 3 span arch bridge over Lake Fork Creek, Holmes Co., to Elsass-Myer Constr. Co., Anna, $48,180—3 span steel truss bridge over Tuscarawas River, and 5 span beam bridge over Wheeling & Lake Erie R.R., Tuscarawas Co., to Canton Sand & Gravel Co., Canton, $67,927 and $22,944 respectively. Grand total $139,051. Noted Aug. 23.

Michigan—H. G. Oakes, resident engr., Cadillac, M. Bridge 1 of 45-5-1, C-1, to W. J. Anschutz, Saginaw, for State Hy. Dpt., Lansing, $50,835. Noted Aug. 23.

Michigan—G. D. Tramp, resident engr., Crystal Falls, M. Bridge 1 of 55-7-21, C-6, Menominee Co., to L. A. Davidson, Flint, $24,801 incl. cement; and C-4, to J. E. Hinman & Son, Glenwood City, $63,606, for State Hy. Dpt., Lansing.

Michigan—At Macomb Co. Road Office, Mt. Clemens, R. Bridge 1 of 50-6-25, for State Hy. Dpt., Lansing, Contr. 1, to McClintic-Marshall, 1242 Book Bldg., Detroit, $13,569; Contr. 2, to Swingle & Robinson, Columbus, O., $105,695. Noted Sept. 6.

Mich., Orion—For 75 ft. span rein.-con. bridge, 36 ft., to Stokes & Whittingham, 439 Penobscot Bldg., Detroit. Est. $25,000. Noted Sept. 6.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Cook Co., to R. Mann, 2331 Charles St., Rockford, $60,216—Effingham Co., to Casey Constr. Co., Casey, $40,619—Effingham Co., to Continental Bridge Co., 460 Monadnock Blk., Chicago, $5,874—Johnson Co., to W. H. Shons Co., 11 South Liberty St., Freeport, $3,246—Vermilion Co., to Zimmerly Bridge Co., Paris, $1,769—Cass Co., to M. C. Robinson, Girard, $10,964—Henderson Co., to C. D. Stratton, Little York, $9,000. Grand total $131,688. Noted July 5.

Iowa—State Hy. Comn., Ames, high truss bridge in Dubuque Co., to Uhlrich-Paley Co., Dubuque $19,998—high truss bridge with approaches in Emmet Co., to Snyder & Johnson, Humboldt, $20,830 — raising pony truss bridge and adding approaches, Lucas Co., to C. J. Kramme, Ft. Dodge, $6,681 — I-beam bridge O'Brien Co., to Humphrey & Son, Cherokee, $4,000—2 culverts in Emmet Co., to Milford Constr. Co., Estherville, $1,809—24 culverts, extensions in Keokuk Co., to Wallace Lumber Co., Sigourney, $8,188—1 box culvert Washington Co., to Iowa Bridge Co., 1901 Eastern Blvd., Des Moines, $3,190—extra concrete paving approaches to bridge O'Brien Co., to Humphrey & Son, Cherokee, $17. Grand total $64,713. Noted Sept. 13.

Nebraska—See "Streets and Roads."

N. D., Grand Forks—State Hy. Comn., Bismarck, bridge over Red River of North on De Mers Ave., to Minneapolis Bridge

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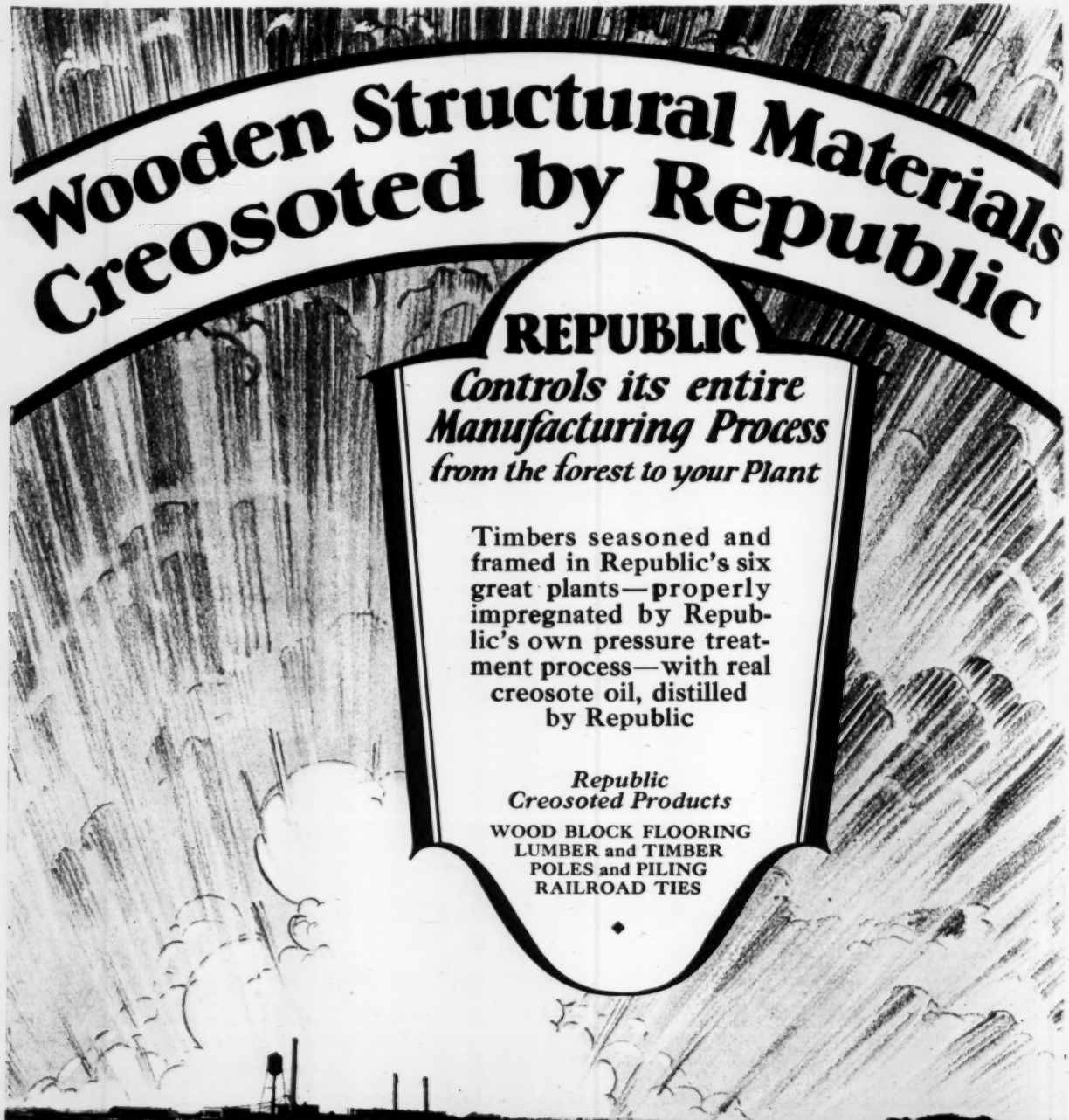
Wooden Structural Materials Creosoted by Republic



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Bridges (Continued)

Co., 924 Metropolitan Life Bldg., Minneapolis, Minn., for North Dakota Hy. Comn., Bismarck, and Minnesota Hy. Comn., St. Paul, Minn. $318,413. Noted Sept. 20.

Mo., Courtney—National Toll Bridge Co., c/o J. G. White & Co., 37 Wall St., New York, substructure for bridge over Missouri River, aJckson and Clay Counties, here, to Union Bridge Constr. Co., 1205 Midland Bldg., Kansas City. Noted May 10.

Mo., Herman—National Toll Bridge Co., c/o J. G. White & Co., 37 Wall St., New York, substructure for bridge over Missouri River, to Foundation Co., 120 Liberty St., New York. Noted May 10.

Arkansas—State Hy. Comn., Little Rock, 9 rein.-con. deck girder bridges, Hy. 71, Sect. 12, Scott Co., to Williamson & Williams, Batesville, $77,689.

Texas—G. Gilchrist, state hy. engr., Austin, rein.-con., bridges in Kinney Co., to E. Artmann, P. O. Box, 672, Giddings, $38,143 est. $41,400; in Ellis Co., to F. P. McElwrath, Corsicana, $22,288 est. $25,000. Noted Sept. 13.

Tex., Ft. Worth — City, c/o O. E. Carr, mgr., rein.-con. bridge across Lake Worth, to L. T. Stanford, 1217 St. Louis St., $200,000.

Oklahoma — State Hy. Dpt., Oklahoma City, 6 span 86 ft. rein.-con. bridge, at Meeker, Lincoln Co., to E. E. Mastin, Chandler, $23,434. Est. $25,000. Noted July 26.

Okla., Dawson — Tulsa Co. (Tulsa) 4 span 90 ft. rein.-con. bridge to Standard Paving Co., 2119 East 11th St., $30,467. Est. $35,000.

Okla., Oklahoma City—Oklahoma Co., 8 span 126 ft. rein.-con. bridge at Witcher, to G. W. Williams, Herskowitz Bldg., Oklahoma City, $20,652—9 span 132 ft. rein.-con. bridge at Edmond, to Maney & Alley, Empire Bldg., $23,616. Est. $25,000 each.

Arizona — State Hy. Comn., Phoenix, bridge on Project 40, Navajo Co., to Levy Constr. Co., 1521 West 13th Ave., Denver, Colo., $75,543.

Arizona — State Hy. Comn., Phoenix, LeRoux Wash and Cottonwood Wash Bridges, to Levy Constr. Co., 1521 West 13th Ave., Denver, Colo., $34,422 and $83,097 respectively—238,857 gal. asphaltic oil on Federal Aid Project 86-A (reopened), to Gilmore Oil Co., 2423 East 28th St., Los Angeles, Calif., $14,499. Grand total $132,018.

Calif., Long Beach—East 2nd Street Bridge, to S. M. Kerns, 1403 East Anaheim St., $69,000.

Calif., Redding—State Hy. Dpt., Sacramento, 2 rein.-con., girder bridges, one over Valley Creek, 42 mi. west of here, other over Indian Creek on Weaverville Lateral Hy. near Redding, Shasta Co., to J. P. Brennan, Redding, $22,431. Noted Aug. 23.

Calif., San Jose—Rein.-con. bridge over Guadalupe Creek, on San Antonio St., to N. R. Nicolson, California Hotel, $27,900.

Dams

Bids Desired

N. Y., Buffalo—Oct. 11, by G. Fisk, comr. Pub. Wks., Municipal Bldg., repairing dam in Cazenovia Creek, at Cazenovia Park. C. E. P. Babcock, city engr.

N. Y., Rifton—See "Contracts Awarded."

Contracts Awarded

N. Y., Rifton — Central Hudson Gas & Electric Corp., 50 Market St., Poughkeepsie, sturgeon pool dam, day labor. $130,000. C. T. Main, 201 Devonshire St., Boston, Mass., engr.

W. Va., Bluefield—See "Waterworks."

Railways

Bids Desired

Texas—Rio Grande Ry., L. E. Beadle, ch. engr., Brownsville, and Port Isabel Transportation Co., Point Isabel, taking bids on grading for 50 mi. line between Brownsville and San Benito. $150,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Fla., Hollywood—Broward Port Comn., 2,500 ft. seawall around slip 1, and north and south side Port Everglades, 27 in. thick, 4 ft. high, 6 ft. above mean low water. $37,000.

Louisiana — Bd. State Engineers, Court Bldg., New Orleans, rejected bids Sept. 4, levee work on Cypremort Levee, Atchafalaya River, St. Martin Parish.

Ill., Tamalco—District organizing, c/o F. Osterkamp, secy., preliminary plans 6 mi. main and 2 mi. lateral ditches draining 8,430 acre tract in Bond Co. $50,000-$75,000. H. Baumberger, Greenville, engr.

Tex., Port Aransas — See "Buildings — Industrial."

Bids Desired

Mass., North Adams—Oct. 9, by Dpt. P. Wks., Boston, excavating 7,000 cu.yd., removing 400 cu.yd. isolated boulders from north branch Hoosac River, for Commonwealth of Massachusetts, Boston, W. F. Willilams, comr.

Ill., Colfax — Oct. 13, by Comrs. Martin Twp. D. D., McLean Co., at office A. M. Hester, Colfax, 12,921 ft. 12- to 20-in. drain tile, excavation, backfilling, concrete retaining wall, 4 brick manholes. Bell & Hare, Blomington, engrs.

Wash., Tacoma—Comrs. Pierce Co. bids about Oct. 17, dredging, improving Hylebos Waterway. $35,000. C. H. Votaw, Tacoma, engr.

Calif., Brentwood—Oct. 16, by M. Wallace, secy. Contra Costa Irrigation Dist., 3 in. concrete lining 250,000 sq.ft. Main Lateral 4, North.

Calif., Chico—Oct. 16, by G. B. McDougal, state archt., Sacramento, 2,500 cu.yd. excav., 250 cu.yd. concrete founds., 378 ft. 14 and 20 in. concrete piling for State Teachers College, Administration Building. $25,000. Noted Sept. 27.

Calif., Oroville—Oct. 15, by W. J. Munro, secy. Croville-Wyandotte Irrigation Dist., 8,650 cu.yd. excav., 4,570 ft. 16 and 18 in. welded iron and 5,132 ft. 14 to 22-in. red wood continuous stave pipe.

Calif., Turlock—Oct. 15, by A. Sorensen, secy. Turlock Irrigation Dist. improving Dist. 5, incl. 2 in. concrete lining 63,250 sq.ft. canal, constructing 15 concrete structures, 2 timber bridges, etc.

Contracts Awarded

Ind., Princeton — Gibson Co., Joseph L. Emerson Drainage System, 379,420 cu.yd. excav., to H. E. Williams, Owensville, Ind., and F. Grundon, Ft. Dodge, Ia.

Ill., Pittsfield—Sni Island Levee & Drainage Dist., 3,959,503 cu.yd. excav. with draglines and floater dredge, Adams, Pike and Calhoun Counties, to Mulgrew & Son, Dubuque, Ia., and M. W. O'Meare, Quincy, at $0.08 per cu.yd.

Calif., Potter Valley—Potter Valley Irrigation Dist., 100,000 lin.ft. main and 85,000 lin.ft., lateral canal excav., to J. Currie, 1100 Peninsula Ave., Burlingame, $73,174.

Calif., Turlock—A. Sorensen, secy. Turlock Irrigation Dist., 557,307 sq.ft. 2 in. concrete canal lining, to Carlson Bros., Turlock, at $0.105 per sq.ft. Noted Sept. 20.

Ont., Collingwood—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging, to Weddell & Birmingham, Trenton, $64,000.

Streets and Roads

Proposed Work

Mass., Boston—Dpt. P. Wks. constructing Hano St. and Brayton Rd. as highway to Newton boundary line. $25,000 or more. J. H. Sullivan, comr.

Mass., Boston—Dpt. P. Wks., widening Exchange St. $50,000 or more. J. H. Sullivan, comr.

N. Y., Buffalo — Bd. Supervs. Erie Co., Court House, asphalt paving 1 mi. extension C.A.T.H. 82, Concord. $30,000. G. Diehl, Ellicott Sq., co. engr.

N. J., Belleville (br. Newark)—Bd. Town Comrs., Town Hall, preliminary plans grading, 7½ in. rein.-con. paving Holmes St. $55,000. A. S. Blank, town engr.

N. J., Clifton—Bd. City Council, City Hall, preliminary plans sheet asphalt paving widening Lakeview and Van Houten Aves. $25,000. J. L. Fitzgerald, city engr.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading, 6 in. bituminous macadam paving Marcy St. $25,000. F. H. Campbell, city engr.

N. J., Hillside (sta. Elizabeth) — Twp. Com., Municipal Bldg., curbing, sheet asphalt on 6 in. concrete repaving Belleview Terrace and Morris Pl. $50,000. H. Kreh, Falls Bldg., twp. engr.

N. J., Hillside (sta. Elizabeth)—Twp. Com., Municipal Bldg., preliminary plans grading, sheet asphalt on 6 in. concrete or 9 in. rein.-con. paving Bauer Terrace and Georgian Court. $25,000. C. Luster, 286 North Broad St. engr.

N. J., Hillside (sta. Elizabeth) — Twp. Com., Municipal Bldg., curbing, sheet asphalt on concrete paving Bway., Wolf Pl., Winanco and Hiawatha Aves., Arthur, Myrtle and White Sts. $175,000. C. Luster, 286 North Broad St., twp. engr.

N. J., Irvington (br. Newark)—Bd. Town Comrs., Town Hall, preliminary plans grading, widening, sheet asphalt on concrete paving Ball St. from Clinton to Nye Aves. $25,000. J. J. Casey, Jr., town engr.

N. J., Jersey City—Bd. City Comrs., City Hall, preliminary plans grading, sheet asphalt on concrete paving Mill Rd. between Wayne and Academy Sts. $25,000. C. A. Van Keuren, city engr.

N. J., Lawrenceville — Lawrenceville Twp. Com. concrete paving 1.5 mi. Federal Rd. $37,000.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, preliminary plans sidewalks on Paterson Turnpike. $25,000. R. is. Glenn, town engr.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, preliminary plans grading, curbing, sidewalks, sheet asphalt or clipped block paving Hoboken St., Columbia Ave. and Bolve Terrace. $59,559. R. B. Glen, town engr.

N. J., Orange — Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving Hillside Ave. and South Jefferson St. $32,000. J. Crane, city engr.

N. J., Paterson—Bd. Freeholders Passaic Co. Court House, preliminary plans grading, sheet asphalt paving Snake Hill Rd. $25,000. G. Ferguson, Court House, co. engr.

N. J., Paterson—Bd. City Comrs., City Hall, preliminary plans grading, penetration macadam paving East 27th and East 19th Sts. $25,000. H. J. Harder, city engr.

N. J., Paterson — Bd. Pub. Wks., City Hall, penetration macadam paving Market, East 26th and East 27th Sts. $25,000. H. J. Harder, city engr.

N. J., Paterson—Bd. Freeholders Passaic Co., Court House, grading, bituminous macadam paving Snake Hill Rd. $25,000. G. Ferguson, Court House, co. engr.

N. J., Roselle (Ind. br. Elizabeth)—Boro Council, Boro Hall, preliminary plans sheet asphalt on concrete or rein.-con. paving Watson, 10th, 3rd, Drake, Sheridan, West 4th and East 3rd Aves. $208,000.

N. J., Roselle (Ind. br. Elizabeth)—Boro Council, Boro Hall, grading, sheet asphalt on 6 in. concrete paving East 3rd St. from Chestnut St. to Chandler Ave. $50,000. W. Van Wagoner, boro engr.

N. J., Secaucus (Ind. br. West New York)—Bd. Town Council, Town Hall, sheet asphalt on concrete repaving Farm Rd., Central and Hopps Lanes, Maple and Born Sts. $25,000. Engineer not selected.

N. J., Tenafly—Bd. Boro Council, Boro Hall, widening, sheet asphalt paving Highwood Ave. from Hillside Ave. to County Rd. $39,000. W. G. Clark, 9 Hillside Ave., engr.

N. J., Woodbridge—Bd. Boro Council, Boro Hall, grading, 7 in. rein.-con. paving Windsor Rd., Cliff and Way Sts. $25,000. H. D. Allen, 810 Broad St., Newark, boro engr.

N. J., Wyckoff — Twp. Comn., Fire House, preliminary plans grading bituminous macadam paving Lafayette Ave. $25,000. C. Christy, Quackenbush Ave., boro engr.

Pa., Pittsburgh—Grading, curbing, paving North Aiken Ave. between Columbo and Black Sts., 38 ft. $29,000. Dpt. P. Wks., City-County Bldg., engrs.

Pa., Pittsburgh—Grading, curbing, storm sewer, paving McNeilly Ave. $32,300.

W. Va., Charleston — Kanawha Co. rejected bids Sept. 25, concrete paving 1,575 sq.yd. Tuppers Creek Rd. Project 217. C. M. Ross, Court House, co. road engr.

N. C., Chadburn—Paving Main St. and 2nd Ave. $25,000 bonds voted for same.

O., Cleveland—Bd. Comrs. Cuyahoga Co. paving Brookpark-Wyatt and Warrensville-Center Rds. To exceed $200,000. F. Lander, Court House, engr.

O., Youngstown—Bd. Control soon takes bids widening Mahoning Ave. $75,000. G. Turner, city engr.

Ind., Bloomfield—Comrs. Greene Co., concrete paving 1.7 mi. F. E. Dyer Rd. $51,000. G. R. Hudson, Bloomfield, aud.

Ind., Vincennes—Comrs. Knox Co., concrete, brick or asphalt paving 0.61 mi. Edward Boswell Rd. $27,000. G. W. Donaldson, Vincennes, aud.

Ill., Lawrenceville—Soon takes bids grading, curbing, concrete paving, 6,543 ft. 10- to 30-in. vitr. clay and rein.-con. storm water system in 7th, 10th, 11th and 16th Sts. $56,500. R. Willis, City Hall, engr.

Ia., Cedar Rapids—Asphaltic concrete on 5 in. concrete or 7 in. one course rein.-con. paving 16,300 sq.yd. $35,000. F. E. Young, city, engr.

Ia., Davenport—Preliminary plans grading, 2 in. asphalt or asphaltic concrete paving 14th St. $39,169.

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Streets and Roads (Continued)

Minn., Austin—Concrete paving 5 or 10 blocks during 1929. $20,000-$30,000. G. L. Brown, city engr.

Minn., Minneapolis — Memorial Park Assn., H. F. Bunnell, mgr., 808 LaSalle Ave., bids in spring probably asphalt paving in Sunset Memorial Cemetery. $120,000. Morrell & Nichols, 1200 2nd Ave. S., engrs.

Minn., St. Paul—Grading center of Midway Parkway between Snelling and Hamline Aves. $46,000—paving South Wabash St. between Delos and Congress Sts. and Humboldt Ave. between Winifred and George Sts. $25,000—South Wabash St. between Mississippi River approach and Channel St. $40,000—Otis Ave. between Marshall and Summerville Aves. $53,000. J. W. Kelsey, city engr.

Kan., Independence — Montgomery Co. soon takes bids grading, brick or concrete paving 1.105 mi. Federal Aid Project 199, Sect. F—1.22 mi. Road K 16-3, both 18 ft. J. E. Courtright, Court House, engr.

Mo., St. Joseph—Concrete paving 858 sq.yd. Belding St. $3,000—4th St. $38,000—8th St. $28,000—asphaltic concrete paving 895 sq.yd. Angelique St. $1,300—8,400 sq. yd. 6th St. $15,000—3 in. wire brick paving Middleton St. $3,800—Garfield St. and 1 alley, R. Dunlap, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans grading, concrete paving 16,900 sq.yd. alleys in City Blocks 1602, 2431, 2642, 3018, 3611, 4128, 4390BN, 4418AN, 4753, 4878, 5178, 5304, 5489 and 5484. $45,430. W. W. Horner, City Hall, engr.

Mont., Great Falls — Curbing, concrete sidewalks on 2 mi. Black Eagle Dist. $20,000-$30,000. M. L. Morris, city engr.

Texas—State Hy. Dpt., Austin, grading State Hy. 37, Franklin and Wood Counties, $25,000, L. Eblinger, Austin, maintenance engr.—graveling and stone paving 7.17 mi. Hy. 10, Parker and Johnson Counties, $43,620, and 19 drainage structures on Hy. 29, Caldwell Co., $34,265. G. Gilchrist, Austin, hy. engr.

Tex., Houston—City, 3 in. V.T. brick on 6 in. concrete, 3 in. V.T. brick on 8 in. concrete, or 3 in. asphalt on 6 in. concrete paving 15 blocks Houston Ave. from Washington Ave. to White Oak Bayou. $150,000. J. C. McVea, city engr.

Tex., San Angelo — E. V. Spence, city mgr., concrete paving 10 blocks, 40 ft. $25,000.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 23, Craig Co. $25,000—plans concrete paving 22,400 sq.yd. Road 11, Osage Co. $56,000—23,750 sq.yd. U. S. Road 77, Garwin Co. $52,000—21,150 sq.yd. U. S. Road 64, Payne Co. $48,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab surfacing 31,600 sq.yd. Hy. 11, $75,000; grading 8 mi. Hy. 42, $35,000. C. R. Mandigo, hy. engr.

Okla., Ada—Grading, concrete paving 11,000 sq.yd. Bway. and 18th Sts. $34,820. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Anadarko—Grading, concrete paving 14,200 sq.yd. 1st St. and Kentucky Ave. $41,960. R. C. Bradley, Chickasha, engr.

Okla., Bristow—Creek Co. preliminary plans graveling 9 mi. Road 8, 18 ft. $35,000. J. Gano, Bristow, engr.

Okla., Chickasha — Grading, concrete paving 8,750 sq.yd. Nevada Ave. $29,400.

Okla., Cushing—Preliminary plans grading, concrete paving 9,000 sq.yd. Pawnee Ave. $27,000. G. Estey, Cushing, engr.

Okla., Elk City—Grading, concrete paving 10,103 sq.yd. Thurmond Ave. $32,116. Benham Eng. Co., Perrine Bldg., Oklahoma City, engrs.

Okla., El Reno—Preliminary plans grading, concrete paving 7,750 sq.yd. Miles Ave. $25,000. E. W. Fassett, El Reno, engr.

Okla., Erick—Rejected bids grading, sheet asphalt paving 15,803 sq.yd. West Bway. $62,600. C. A. Wood, Stillwater, engr. Noted May 3.

Okla., Ft. Cobb—Preliminary plans concrete paving 7,700 sq.yd. Bway. and 2nd St. $25,000. A. Rains, city clk. Engineer not selected.

Okla., Lawton—Preliminary plans grading 9 mi. Lake Lawtonka Dr., 30 ft. $45,000. O. E. Noble, Lawton, engr.

Okla., Lone Wolf—Preliminary plans concrete paving 7,100 sq.yd. Bway. and A Sts. $29,000. H. Sullivan, Temple, engr.

Okla., Oklahoma City — Oklahoma Co. preliminary plans grading 9 mi. Mustang Trap Rd., 30 ft. $30,000. R. S. James, Court House, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 5,200 sq.yd. Dewey Ave. $25,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 5,600 sq.yd. Laird Ave. $25,880. W. W. Small, City Hall, engr.

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Okla., Ponca City—Preliminary plans grading, concrete paving 9,200 sq.yd. McFadden Ave. $27,600. H. W. Crawford, Ponca City, engr.

Okla., Sayre—Beckham Co. preliminary plans grading 8 mi. Rd. 12, 30 ft., $25,000; grading, graveling 10 mi. Rd. 11, 18 ft., $35,000. R. N. Higgins, Sayre, engr.

Okla., Shawnee—Grading, curbing, sheet asphalt paving 7,800 sq.yd. North Bway. $33,650. E. T. Archer & Co., 612 New England Bldg., Kansas City, Mo., engrs.

Okla., Talihina—Grading, concrete paving 9,600 sq.yd. Main St. $30,000. A. Foster, city clk.

Okla., Tulsa—Concrete paving 15,750 sq.yd. Jenks Hy. $30,000. H. A. Parker, Court House, engr.

Okla., Tulsa—Preliminary plans wood block surfacing 12,800 sq.yd. West Tulsa Bridge. $35,000. B. M. Hart, City Hall, engr.

Okla., Yale — Grading, concrete paving 9,060 sq.yd. Dist. 7. $29,450. R. Taylor, Yale, engr.

Wash., Seattle — Rejected bids paving Jackson St. et al. Will readvertise. W. D. Barkhuff, city engr.

California—State Hy. Dpt., Sacramento, seal coat surfacing 17 mi. Placer Co. $85,000—grading, surfacing 4 mi. Butte Co., $120,000—grading 14 mi. Nevada Co., $240,000—oiling, surfacing 5 mi. Humbolt Co., $50,000—grading, crushed stone surfacing 9 mi. Lassen Co. $70,000—oil treated crushed rock surfacing 20.9 mi. Sacramento, Humbolt and Lake Counties. $355,000. C. H. Purcell, state hy. engr.

Calif., El Centro—Grading, asphaltic concrete paving 176,999 sq.ft. 8th St. P. W. Knight, city engr.

Calif., San Diego—Common Council grading, watermains sewers, 6 in. concrete paving 184,984 sq.ft. Turquoise and other streets. H. W. Jorgensen, city engr.

Calif., San Francisco—Grading, curbing, sidewalks, 1½ in. asphalt on 8 in. concrete paving 220,030 sq.ft., and 1½ in. asphalt on 6 in. concrete paving 23,611 sq.ft. Sect. E—Bay Shore Blvd. $100,000 or more. M. M. O'Shaughnessy, city engr.

Calif., San Luis Obispo—J. G. Driscoll, clk. San Luis Obispo Co., soon takes bids warrenite on asphaltic concrete paving Mt. Pleasant Sub-division. To exceed $25,000. Noted July 19.

Ont., Ottawa—Bd. Control soon takes bids penetration tar macadam paving Glen Ave.; asphalt paving Parent and Pretoria Aves. $37,614. A. F. Macallum, City Hall, engr.

Bids Desired

New Hampshire—Oct. 11, by State Hy. Dpt., Concord, 3 in. bituminous macadam on 8 in. gravel paving 2.35 mi. hy. in Haverhill.

New Hampshire—Oct. 17, by State Hy. Dpt., Concord, 6 in. one course rein.-con. on 8 in. gravel and 3 in. bituminous macadam on 5 in. broken stone or 6 in. gravel paving 2 mi. hy. in Plymouth. $162,000. H. L. Smith, Lakeport, engr.

Massachusetts—Oct. 9, by Dpt. P. Wks., Boston, bituminous macadam paving 17,787 ft. hy. in Groton and Pepperrell. W. F. Williams, comr.

Mass., Boston—Oct. 9, by Dpt. P. Wks., sheet asphalt or bitulithic paving Dudley St., Ward 13. $25,000 or more. J. H. Sullivan, comr.

Connecticut—Oct. 10, by J. A. MacDonald, hy. comr., Hartford, rein.-con. paving 3,975 ft. hy. in Bethel and Danbury—waterbound macadam paving 8,655 ft. Canterbury—20,800 ft. Weston; adv. E. N.-R. Oct. 4.

N. Y., Brooklyn—Oct. 9, by Park Dpt., W. R. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, New York, grading Shore Road Embankment, incl. slopes between point 200 ft. north of 86th and Oliver Sts. Former bids rejected. Noted Sept. 6.

N. Y., Buffalo—Oct. 11, by G. Fisk, comr. Pub. Wks., Municipal Bldg., brick on concrete repaving Springer Ave.; sheet asphalt on concrete paving roadways around Natural Science Museum, Delaware and Turner Aves., Breckenridge, Pontiac and Dundee Sts. C. E. P. Babcock, city engr.

N. Y., Long Island City—Oct. 9, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., New York, completing Richmond Hill entrance, incl. Jackson Pond Impvt., Forest Park, Queens Boro.

N. Y., New York—Oct. 10, by J. Miller, pres. Manhattan Boro, Boro Hall, grading, granite block on concrete repaving 62nd St. and 12th Ave.; sheet asphalt paving 6th Ave.; curbing, flagging, asphalt block on concrete paving Cumming and Cherry Sts.; sheet asphalt on concrete paving Thayer St.

N. Y., St. George — Oct. 10, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving Randall Ave. from Castleton Ave. to Gregg Pl.

Pennsylvania—Oct. 23 and 24, by State Hy. Comn., Harrisburg, rein.-con. bituminous treated macadam paving 82 [illegible] projects in Blair, Bradford, Bucks, Clearfield, Dauphin, Erie, Fayette, Fulton, Greene, Indian, Jefferson, Lancaster, Mercer, Pike, Potter, Somerset, Susquehanna, Washington, Wayne, Westmoreland and York Counties. J. L. Stuart, secy. hys.; adv. E. N.-R. Oct. 4.

N. J., Belleville (br. Newark)—Oct. 9, by Town Comrs., Town Hall, improving Franklin Ave., Chestnut, Jefferson and William Sts. J. J. Daly, town clk.

N. J., Elizabeth—Oct. 11, by Bd. P. Wks., City Hall, curbing, sheet asphalt on 8 in. concrete paving Jefferson Ave. from Elizabeth Ave. to East Grand St. $52,000. T. Collins, city engr. Noted Sept. 6.

N. J., Hackensack — Oct. 8, by Hackensack Impvt. Comn., Municipal Bldg., grading sidewalks, 2 in. Topeka on 6 in. Stone paving Kaplan, Parker, Simmons, and Rowland Aves. $140,000. F. Campbell, 167 Main St., engr. Noted Aug. 30.

N. J., North Bergen (Ind. br. West New York)—Oct. 25, by Twp. Com., Town Hall, grading, sheet asphalt or reclipped block on concrete paving Hoboken St. and Columbia Ave. $59,559. R. Glenn, twp. engr. Noted Sept. 27.

N. J., Roselle (Ind. br. Elizabeth)—Oct. 5, by Boro Council, Boro Hall, grading, sheet asphalt on 6 in. concrete or 7 in. rein.-con., paving East 3rd St. from Chestnut St. to Chandler Ave. $50,000. W. Von Wagoner, boro engr. Noted Sept. 27.

N. J., South Orange—Oct. 11, by Streets & Hys. Com., Village Hall, curbing, sidewalks, sewers, mains, alternate types paving 4,700 sq.yd. Turrell Ave.—grading, mains, sewers, sidewalks 8 in. rein.-con. paving 7,600 sq.yd. Laurel Pl., Underhill and Overhill Rds.—15,000 sq.ft. sidewalks on Holland Ave. I. T. Redfern, village engr.

Pa., Phila. — Oct. 9, by Dpt. P. Wks., Bureau of Hys., grading, asphalt paving, asphalt, redressed granite block repaving, improving country roads.

Md., Baltimore—Oct. 10, by Bd. Awards, sheet asphalt paving 12,500 sq.yd. Contr. 488. N. L. Smith, hys. engr.

D. C., Wash.—Oct. 5, by District Comrs., District Bldg., asphaltic roadway surfacing on streets.

W. Va., Summersville—Oct. 19, by Nicholas Co., at office County Clerk, grading, draining 7 mi. Duffy Branch-Persinger Rd.; 6.725 mi. Duffy Branch-Hickman School Rd. E. D. Yewell, engr.

Fla., Hialeah—Taking bids rocking, oiling 20 mi. $90,000. J. Knox, city engr.

Alabama—Oct. 17, by State Hy. Comn., Montgomery, gravel surfacing 20 mi. hy. Bullock Co.—10.49 mi. Fayette Co.—10.5 mi. Clay Co.—12.7 mi. Talladega Co.—graveling and topsoiling 12.72 mi. Chambers Co.—sand clay surfacing 12.22 mi. Lowndes Co.—grading, bridging 1.01 mi. Walker Co.—graveling and chert surfacing 13.47 mi. Cherokee Co.—chert surfacing 15.85 mi. Etowah Co.—10.72 mi. Shelby Co.—grading, 6 in. concrete paving 10,413 sq.yd. streets in Montevallo, Shelby Co. W. Finnell, hy. dir.

Ala., Birmingham — Oct. 23, by City Comn., 6 in. concrete paving 5 blocks 9th Court Alley S., 15th Alley S., also Ave. Z and 21st St. Ensley, $17,120—2 in. asphalt on 5 in. concrete paving 2 blocks Prince Ave., 24 ft., $5,000—7 in. concrete paving 5 blocks 26th St. S., 40 ft., $20,575. A. J. Hawkins, city engr.

Miss., Starkville—Oct. 10, by State Building Comn., Bd. Supervs. Oktibbreha Co. and State Hy. Dpt., at Chancery Clerk's office, grading, curbing, various types paving 29,286 sq.yd. A. & M. College campus. G. A. Draper, State Hy. Dpt., Jackson, engr.

Tennessee—Oct. 26, by Dpt. Hys. & P. Wks., Nashville, grading Perry, Monroe, Loudon, Meigs, Henry, Stewart, Hamilton, Gibson, Weakley, Cocke, Henry, Williamson, Washington, Davidson and Moore Counties; bridges in Stewart, Hancock, Clay, Henry, Davidson, Lawrence, Madison, Putman, Gibson, Dickson, Hamilton and Rutherford Counties; adv. E. N.-R. Oct. 4.

Kentucky—Oct. 31, by State Hy. Dpt., Frankfort, grading 2.6 mi. Carter-Caves Rd., S. P. 47-G, Carter Co.—2.7 mi. Millers Mill-Ekron Rd., S. P. 8-F-G, Meade Co.—5.5 mi. Highland Church-Paynesville Rd., S. P. 8-G-G, Meade Co.—9.8 mi. Mt. Olivet-Blue Lick Rd., F. A. 184-A-G, Robertson Co.—surfacing 8.428 mi. McKee-Tyner-Manchester Rd., S. P. 30-A-S, Clay Co.—2 mi. Saylersville-Royalton Rd., S. P. 28-B-S, McGoffin Co.—7.2 mi. Paducah-Wickliffe Rd., S. P. 8-B-S, McCracken Co.—6.9 mi. Sullivan-Clay Rd., S. P. 2½-A-S, Union Co.—portion Bowling Green-Morgantown Rd., S. P. 11-E-S, Warren Co.—resurfacing 7.5 mi. Mt. Carmel-Flemingsburg Rd., S. P. 43-A-G, Fleming Co.—2 overhead crossings, one on Mt. Vernon-Stanford Rd., F. A. 148-BB and other on Russellville-

Streets and Roads (Continued)

Bowling Green Rd., F. A. 156-BB, Lincoln Co. J. S. Watkins, by. engr.

Ohio—Oct. 13, by H. J. Kirk, dir. Hys., Columbus, grading, concrete or macadam paving 10.566 mi. Columbiana, Hancock, Medina and Mercer Counties. $206,935.

O., Hamilton—Oct. 11, by Comrs. Butler Co., concrete guttering, tar bound macadam paving 12,600 sq.yd. Elstun Rd., 16 ft. $78,-624. E. A. Gast, Court House, engr.

Ind., Indianapolis — Nov. 20, at office Trustees Indiana World War Memorial, M. S. Sountag, pres., 102 War Memorial Bldg., 777 North Meridian St., repaving, widening Michigan and North Sts. in connection with Indiana World War Memorial Structures.

Ind., La Porte—Oct. 13, by Comrs. La Porte Co., improving Charles C. Tryon et al., Rd. $66,776—Charles Wolfe, et al., Rd. $66,402—Charles P. Holton et al., Rd. $63,201—John J. Grams et al., Rd. $35,783—Rhoda Herrold et al., Rd. $25,080—Albert Jahns et al., Rd. $18,703—William J. Garwood et al., Rd. $12,392. F. A. Hausheer, La Porte, aud.

Ind., Mt. Vernon — Oct. 20, by Comrs. Posey Co., concrete paving 4,467 ft. Samuel J. Miller et al., Rd., Black Twp. $34,360. W. C. Walker, Mt. Vernon, aud.

Ill., East St. Louis—Bids about Dec. 29, grading, curbing, 8 in. rein.-con. paving 12,-740 sq.yd. Lake Ave. $53,200. W. McK. Brown, City Hall, engr.

Ill., Edwardsville — Oct. 8, by Madison Co., grading, concrete slab paving 2.25 mi. roads, 18 ft., $65,000, also 2 bridges, one at Vosterbury $750, other near Godfrey $2,000. W. E. Howden, Court House, engr.

Kan., Garnett—Oct. 11, by J. G. Simmons, clk. Anderson Co., grading, clearing hedge bridges 7.912 mi. Federal Aid Project 304-D, 30 ft. F. T. Bonebrake, Court House, engr.

Kan., Independence—Oct. 16, by L. Kelly, clk. Montgomery Co., concrete paving 25,-384 sq.yd. Federal Aid Project 199-E and F. J. E. Courtright, Court House, engr.

Kan., Paola — Oct. 19, by Clerk Miami Co., grading, culverts 10.973 mi. Federal Aid Projects 213-B and C, 30 ft.; 5.782 mi. Federal Aid Project 293-D, 28 ft. Kansas Eng. Co., Topeka, engrs.

Texas—Oct. 15, by G. Gilchrist, state hy. engr., Austin, asphaltic macadam on stone and gravel conglomerate paving 12.612 mi. hy. Young Co., $198,000—concrete paving and 2½ in. bituminous macadam or concrete on caliche paving 14.73 mi. Carson Co. $270,000—crusher run limestone or limestone gravel second course on gravel paving 13.89 mi. Grimes Co., $144,000—grading 3.621 mi. Panola Co., $30,600—9.685 mi. Comanche Co., $27,000—8.518 mi. Jackson Co., $39,600—19.005 mi. Chambers Co., $66,600.

Tex., Alamo—Oct. 15, by A. W. Cameron, judge Hidalgo Co., Edinburg, grading, concrete paving 36 mi. roads in Hidalgo Co. Rd. Impvt. Dist. 3. $600,000. P. S. Devine, Edinburg, engr. Noted Sept. 20.

Tex., Donna—Oct. 22, by A. W. Cameron, judge Hidalgo Co., Edinburg, grading, paving 45 mi. roads in Hidalgo Co. Road Impvt. Dist. 7. $700,000. P. S. Devine, Edinburg, engr.

Tex., Laredo—Oct. 16, by City, A. Martin, mayor, 2 in. hot mixed limestone rock, warrenite bitulithic, modified Topeka mix, coarse aggregate bituminous concrete or duraco on 6 in. concrete paving 67,000 sq.yd. F. C. Heins, city engr.

Tex., Raymondville—Oct. 20, by Willacy Co. Rd. Dist. 3, c/o A. B. Crane, judge, Bates type concrete or 2 course limestone rock asphalt on concrete paving 5 mi. road. $150,000. J. E. Johnson, Raymondville, engr.

Okla., Altus—Oct. 10, by J. C. McKinley, city clk., grading, concrete paving 6,600 sq.yd. alley and Beech St. $26,732. J. C. Chisum, Altus, engr.

Okla., McAlester—Oct. 8, by H. R. McDonald, city clk., grading, 6 in. concrete paving 8,600 sq.yd. 4th St. To exceed $25,000.

Okla., Oklahoma City — Oct. 9, by M. Peshek, Jr., city clk., grading, concrete paving 9,200 sq.yd. Walker St. $37,910. W. W. Small, City Hall, engr.

California—Oct. 17, by State Hy. Dept. Comn., Sacramento, grading, surfacing 5 mi. road between Fairfield and Nelson's Corner, Solano Co.—grading, waterbound macadam surfacing 1.1 mi. Monterey Co.—grading, bituminous macadam paving 15.4 mi. San Luis Obispo Co.—grading, asphaltic concrete paving 1.3 mi. road between Richmond and San Pablo Creek, Contra Costa Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Calif., Los Angeles—Oct. 15, by Supervs. Los Angeles Co., grading, 8:6:6:8 in. compressed concrete paving 67,177 sq.ft., 8 in. 2,699 sq.ft., and 6 in. oil macadam and disintegrated granite rock paving 69,966 sq.ft. Pomona Blvd., Contr. 296. W. H. Foster, Hall of Records, co. engr.

Contracts Awarded

Maine — State Hy. Comn., Augusta, graveling 2.54 mi. hy. in Palmyra and Pittsfield to Cowetto, Butler & Dionne, Skowhegan, $45,738.

Massachusetts — Dpt. P. Wks., Boston, bituminous macadam paving 33,353 ft. hy. in Clarksburg, Florida and North Adams, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $231,165—5,020 ft. Beverly, to McCarthy Bros., Peabody, $27,354—graveling, oiling 3,800 ft. Westford, to C. Rotondia, 140½ Franklin St., Stoneham, $6,995. Grand total $265,514. Noted Sept. 13.

Mass., Boston—Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt or bitulithic paving Ceylon St., Ward 14, to J. C. Coleman Sons Co., 1620 Tremont St., $28,249—bitulithic paving Greenfield Rd., Ward 18, to H. F. Malley, 96 Tyndale St., Roxbury, $28,005. Noted Aug. 31.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving Dean St. $9,964; East 31st St. $25,957—to J. D. McCoy Asphalt Co., Avenue U and East 57th St., Drew Ave. $3,670—to Carboloc Paving Corp., 50 Court St., Richardson St. $30,820—to B. Turecamo, New Cropsey Lane, East 4th St. $8,169; East 5th St. $9,445; East 12th St. $4,288; East 17th St. $9,606; Mermaid Ave. $6,438; 10th Ave. $10,919; 78th St. $6,151; grading 62nd St. $9,851, Avenue O $3,916, East 2nd St. $10,008—to Grimm Contg. Co., 170 McKinley St., Eldert Lane, $1,615—to J. Casalino, 211 North 7th St., Foster Ave. $11,561. Grand total $162,377. Noted Sept. 6.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Castle Bros., Johnson Pl., grading East 40th St., $2,779—to D. J. McCoy Asphalt Corp., Avenue W and East 57th St., grading, sheet asphalt paving Atkins Ave., $5,595; Berriman St. $7,600; Pulaski St. $2,866; Rockaway Parkway $30,513; 51st St. $2,167; and East 37th St. $10,831—to Uvalde Asphalt Paving Co., 1 Bway., New York, Hopkinson Ave., $20,328. Grand total $82,679. Noted Aug. 30.

N. Y., Brooklyn—Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., New York, improving Ocean Parkway, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $144,525. Noted Sept. 6.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Grimm Contg. Co., 170 McKinley St., grading East 35th St. $2,863 to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving Bristol St. $16,580; Brooklyn Ave. $4,900; East 35th St. $10,380; East 42nd St. $6,476—to D. J. McCoy Asphalt Co., Avenue U and East 57th St., Irving Pl. $26,529—to Uvalde Asphalt Paving Co., 1 Bway., New York, Ford St. $2,457—to B. Turecamo Contg. Co., New Cropsey Lane, Avenue T $2,652; 41st St. $15,641. Grand total $88,478. Noted Sept. 13.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to J. W. Szpantowitcz, 490 Boulevard, grading, sidewalks on 90th Ave. $1,069—to C. Kurth, 9519 126th St., Richmond Hill, Hillside Ave. $180; 97th St. $5,039; 199th St. $2,216—to Meehan Paving & Constr. Co., 90 West St., New York, sheet asphalt paving Queens Blvd. $58,521; 69th Ave. $17,508; Graham Ave. $17,707—to W. P. MacDonald Constr. Co., Lawrence St., Flushing, Cooper Ave. $7,973—to Uvalde Asphalt Paving Co., 1 Bway., New York, Fairview Ave. $9,785; 133rd St., $14,244—to Borough Asphalt Paving Co., 1301 Metropolitan Ave., Queens Blvd. $60,331; 105th St. $7,296—to Cleveland Trinidad Paving Co., Flushing, 52nd Ave. $8,751. Grand total $210,620. Noted Sept. 13.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sheet asphalt paving Northern Blvd. from 157th St. to Auburndale Lane and Northern Blvd. from Auburndale Lane to 206th St., to Cleveland Trinidad Paving Co., Flushing, $119,127 and $138,862 respectively—Northern Blvd. from 206th to 220th Sts., to W. P. McDonald Constr. Co., 7 Lawrence St., Flushing, $125,777—Central Ave., to Uvalde Asphalt Co., 1 Bway., New York, $44,636—grading 162nd St., to J. J. O'Brien, Williams St., New York, $1,079. Grand total $429,481. Noted Sept. 13.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to Meehan Paving Co., Inc., 90 West St., New York, sheet asphalt paving Halleck Ave., $4,268—to Uvalde Asphalt Paving Co., 1 Bway., New York, 132nd St. $10,930—to Borough Asphalt Paving Co., 1301 Metropolitan Ave., Brooklyn, 118th St. $20,685; 112th St. $17,063; to Cleveland Trinidad Paving Co., Flushing, Warren St. $21,782; asphalt paving 40th Rd. $4,505; Vandeventer Ave. $18,962—to Peace Bros., Inc., 57 North Lawrence St., Flushing, grading 15th Dr., $4,956—to W. P. McDonald, Lawrence St., Flushing, Nassau Blvd., $102,480—to Welsh Bros. Contg. Co., 32 Queens St., Astoria, 50th Ave. $42,925—to C. Kurth, 37 Brott Ave., Elmhurst, 118th St. $7,439. Grand total $255,995. Noted Sept. 6.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt paving Whitlock Ave., to Asphalt Constr. Co., 2197 Madison Ave., $69,043—East 168th and Hawkstone Sts., to Gaffney Constr. Co., Storey and Hermany Aves., $4,330 and $5,209 respectively — Manor Ave., to Bronx Asphalt Corp., $30,756—Hull Ave., to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., $8,195. Grand total $117,533. Noted Aug. 2.

N. Y., Rye—W. H. Selzer, village clk., Municipal Bldg., paving Newberry Pl., Redfield and Hewlett Sts., Forest, Beck, Stuyvesant Aves., to Barber-Coccola & Lux, 58 Purchase St., $101,108. Noted Sept. 13.

New Jersey—State Hy. Comn., Trenton, grading, concrete paving Bridge Entrance Rd., Route 6, Brooklawn, to E. H. Ellis, Wilson Bldg., Camden, $299,242—4 mi. Cumberland Co., to J. Pangia, Atco, $38,-601—widening 2.35 mi. Keyport-Middletown Rd., Monmouth Co., to H. L. White, Collingswood, $218,211. Grand total $556,054. Noted Sept. 27.

New Jersey—State Hy. Comn., Trenton, grading, 10 in. double line rein.-con. paving Route 17, Sect. 1A, Rutherford-Hackensack Rd., Bergen Co., to C. M. Bristow, 610 5th Ave., Lyndhurst, $169,785. Noted Aug. 30.

N. J., East Orange — Paving Midland Ave., to Standard Bitulithic Co., 50 Church St., New York, $67,980.

N. J., Hawthorne (Ind. br. Paterson) — Bd. City Comrs., Lafayette School, grading, paving Lafayette Ave., to S. Braen, Nelson St., $28,603.

N. J., Hillside (br. Elizabeth)—Twp. Com., Municipal Bldg., grading, 6 in. sheet asphalt on concrete paving Bond St. and Mertz Ave., to J. B. Gilligan-Casey Co., 972 Broad St., Newark, $29,083 and $22,-416 respectively—Conklin Ave., to J. F. Chapman & Son, 1439 North Broad St., Hillside, $27,708—Clark St., to Loprete Asphalt Co., 423 Amherst St., East Orange, $35,584. Grand total $114,791. Noted Aug. 2 and 16.

N. J., Jersey City—Bd. City Comrs., City Hall, grading, asphalt paving, to New Jersey Asphalt & Paving Co., foot Jersey Ave., 81% est. $25,000.

N. J., Linden — City Council, concrete paving Trembly Rd., to L. Di Fransesco, Linden, $30,755. Noted Aug. 23.

N. J., North Plainfield (mail Plainfield)—Boro Council, Boro Hall, grading, curbing, guttering, bituminous macadam paving Catalpa, Tappan and Willow Aves., Chestnut and Warren Sts., to F. Mobus, 292 Watchung Ave., $36,443. Est. $50,000. Noted Sept. 20.

N. J., Rutherford—Grading, 7½ in., bituminous macadam paving College Pl., Rolliver, Elizabeth and Hobart Sts., to Passaic Bergen Contg. Co., Inc., 70 Gaston Ave., Garfield, $73,000.

Pennsylvania—State Hy. Comn., Harrisburg, bituminous treated macadam paving 8,434 sq.yd. Lebanon Co., to J. C. Showalter, Lancaster $20,678—7,600 sq.yd. Clearfield Co., to Milsom & Curtis Constr. Co., Philipsburg $22,632—rein.-con. paving 4,531 ft. Beaver Co., to E. W. Trevorrow, 333 Swank Bldg., Johnstown $79,848—concrete paving 8,400 sq.yd. Bucks Co., to Union Paving Co., 123 South 21st St., Phila. $27,673—20,-300 sq.yd. Berks Co., to Bryant & Kohl, Inc., 19 Perry Lane, Wilkes Barre $88,505—8,300 sq.yd. York Co., to J. B. Trexler, Lewistown $53,770—8,500 sq.yd. Northampton Co., to McInerney & McNeal, 703 Northampton Natl. Bank Bldg., Easton $35,947—7,050 sq.yd. Clinton Co., to A. W. Hinaman, Williamsport $43,988—50,000 sq.yd. Lebanon Co., to J. A. Albright, Penbrook $232,790—2,200 sq.yd. Bedford Co., to T. E. Penrod & Co., Johnstown $9,369—50,200 sq.yd. Chester Co., to Burket Constr. Co., Vineland, N. J. $193,092—15,500 sq.yd. Delaware Co., to Comerford Constr. Co., 1518 Walnut St., Phila. $62,335—15,400 sq.yd. Northampton Co., and 43,300 sq.yd. Lycoming Co., to O. P. Bell Constr. Co., Sunbury, $63,796 and $183,121 respectively. Grand total $1,055,-296. Noted Aug. 23 and Sept. 6.

Pa., Avalon (mail Pittsburgh)—Controller Allegheny Co., Court House, Pittsburgh, vitr. brick on one course concrete widening 4,761 ft. California Ave., 18.25 ft., to Harrison Constr. Co., 2101 Sidney St., Pittsburgh. Est. $75,000. Noted Sept. 6.

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to J. Herzog, 4314 Old York Rd., grading Bayard and Provident Sts. $4,158—to Morrissey Bros., 4336 North Marshall St., Boyer and Slocum Sts. $8,791; Hunting Park Ave. $4,851—to T. L. Flanagan, 531 East Girard St., Chandler St. $3,508; Tudor St. $620—to Gallagher & Bergan, 4300 Fleming St., Cherokee St. $808—to M. J. Harper Co., 430 East Moyer St.,

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Streets and Roads (Continued)

Frontenac St. $984—to Frank Mark Constr. Co., Caster and Winghocking Sts., Horrocks, Kindred, Knorr, Large, Lynford, Magee, Souder, Sylvester and Unruh Sts. $27,088; Longshore St. $5,276; improving Ashton Rd. $22,742; Decatur Rd. $8,339; Faunce Rd. $10,422; Loney Rd. $14,394—to R. B. Wenner, 2819 Gordon St., grading Luzerne St. $1,610—to J. P. Molloy, 15 East Mermaid Lane, 74th Ave. $536—to Eastern Asphalt Co., Penna Bldg., asphalt paving (assessment work) American St. $47,870; Luzerne St. $18,478; Roxborough St. $11,000; asphalt repaving 45th St. $13,987; sheet asphalt resurfacing (heater method) streets in Group 11 $169,898—to Barber Asphalt Co., Hunting Park Ave. at E St., asphalt paving (assessment work) Ditman, Faust, Fraley and Kennedy Sts. $33,762; Hurley St. $2,332; Lansing and Meridian Sts. $20,598; Musgrave St. $3,493; Southampton St. $6,672; asphalt repaving Aspen and Fairmount Sts. $47,259; sheet asphalt resurfacing (heater method) streets in Group 12 $132,235—to Montgomery Paving Co., Harrison Bldg., asphalt paving (assessment work) Englewood St. $6,959; Sanger St. $18,751; asphalt repaving Cumberland St. $33,284—to Wilson-Martin, Inc., 1501 North 2nd St., improving Fitler Rd. $2,835—to Fish Rutherford, Inc., 4058 Chestnut St., Mt. Airy, Mt. Pleasant, Wayne and Sherman Rds. $23,057; Hasbrook Rd. $12,709—to Elkins Paving & Constr. Co., 836 North Holly St., redressed granite block repaving Mt. Pleasant St. $18,337—to Union Paving Co., 123 South 21st St., sheet asphalt resurfacing (heater method) streets in Group 8 $50,725, Group 9 $100,303, Group 10 $87,026, and Group 13 $128,509. Grand total $1,104,575.

Maryland — State Roads Comn., Baltimore, penetration macadam paving 0.5 mi. Montgomery Co., to P. E. Russell, Frederick, $15,865—vitr. concrete and brick paving 0.45 mi. Anne Arundel Co., to Ward & O'Connell, 3114 Presbury St., Baltimore, $23,704—concrete paving 0.56 mi. Somerset St., to W. H. Truitt, Lincoln City, Del., $15,435—1.95 mi. Montgomery Co., to L. R. Colbert, Fredericksburg, Va., $43,998. Grand total $120,384. Noted Aug. 23 and Sept. 6.

Md., Annapolis—Brick paving Main St., to Ward & O'Connell, Baltimore, $43,386.

Md., Baltimore — Bd. Awards, sheet asphalt paving 12,900 sq.yd. Contr. 484, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R., $49,435. Noted Sept. 13.

Md., Baltimore—Bd. Awards, sheet asphalt paving 11,150 sq.yd. Contr. 482, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., $50,176; grading 90,000 cu.yd. Contr. 483, to W. F. Huse, 2800 Montebello Ave., $42,660. Noted Sept. 6.

Md., Towson—Comrs. Baltimore Co., concrete paving 1.46 mi. Linden Ave. Group 13, and 0.9 mi. Hawthorne Ave. Group 12, to P. Reddington & Son, 2 East Lexington St., Baltimore, $19,623 and $14,360 respectively. Noted Aug. 30.

West Virginia—State Rd. Comn., E. B. Carskadon, secy., brick concrete paving 3.4 mi. Project 167, Hancock Co., to W. H. Armstrong, Fairmount, $137,685. Noted Sept. 13.

W. Va., Wheeling — Ohio Co., concrete paving 4,100 ft. Wheeling Country Club to Oglebay Park, to A. & O. Holderman, $31,711. Noted Sept. 20.

Fla., Hialeah—For 6 in. lime rock paving 15 mi. to N. Balestreri, Hialeah, $77,000.

Miss., Laurel—Jones Co., grading, culverts, bridges, Bermuda sodding 5.499 mi Laurel-Ellisville Rd., to J. A. and H. E Pigford, Russell. Noted Aug. 23.

Miss., Oxford—Mixed clay, gravel surfacing 8.479 mi. Federal Aid Project 97-B, to Williamson Bros., Water Valley, $16,500. Noted Aug. 23.

Tenn., Ripley — Lauderdale Co., grading 9.48 mi. Ripley-Edith Rd., to Delta Constr. Co., Lake Comorant, Miss., $68,422—6.27 mi. Halls-Porters Gap Rd. and 5.32 mi. Halls-Nankipoo Rd., to Lightfoot & Doyle, Somerville, $34,984 and $26,738 respectively—11.46 mi. Henning-Mack Rd. and 1.95 mi. Copperas Springs-Pleasant Hill Rd., to R. E. Martin, Pulaski, $55,312 and $9,475 respectively. Grand total $194,931. Noted Sept. 6.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete, traffic bound macadam paving 0.372 mi. Licking Co., to Hickey Bros., 4200 Spring Grove Ave., Cincinnati, $104,509—concrete paving 1 mi. Hamilton Co., to Gradison Constr. Co., 701 1st Natl. Bank Bldg., Cincinnati, $68,369—paving 0.898 mi. approach to bridge Sect. D, Canton-Canal Dover Rd., Tuscarawas Co., to Canton Sand & Gravel Co., Canton, $110,643—bituminous macadam paving 2.927 mi. Wood Co., to Van Wagner Constr. Co., Bowling Green, $48,545—concrete paving 13.546 mi. Henry Co., to Tiffin Constr. Co., Tiffin, $213,901—

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grading 4.276 mi. Holmes Co., to Elsass-Myer Constr. Co., Anna, $42,506. Grand total $588,473. Noted Aug. 23.

O., Steubenville—Jefferson Co., paving 5½ mi. Irondale-Monroeville Rd., to J. E. Stringer, Steubenville, $45,240. Noted Sept. 20.

O., Canton—Vitr. brick, asphalt paving 6th St., 14th St. N.W., and Vera Pl., to Garraux Bros., Massillon-Canton Rd., $26,285. Est. $25,000.

O., Cleveland — Cleveland Metropolitan Park Bd., West 3rd St. and Frankfort Ave., paving Rocky River Parkway, to Fred G. Bieber & Son, Stump Rd., Box 142 Brooklyn Sta., Cleveland, $24,109.

O., Cleveland—Cuyahoga Co., vitr. brick paving Bliss Rd., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $35,731. Est. $44,700.

O., Maple Heights (br. Cleveland)—Concrete curbing, bituminous concrete paving Hansen Rd., to A. M. Pejsa Paving Co., 3161 East Derbyshire Rd., Cleveland, $40,422.

O., Portsmouth—Grading, curbing, brick on concrete (asphalt filler) paving 1,870 ft. Wilson Ave., 36 ft., to Frowine Bros., Inc., Portsmouth, $26,616; 465 ft. Sheridan Rd., 40 ft., to S. Monroe & Sons, Portsmouth, $10,217. Noted Aug. 9.

O., Rocky River (br. Cleveland)—Paving West 213th St., to Baldwin Bros., 4500 Euclid Ave., Cleveland, $3,858; West 220th St., to Ohio Eng. Co., Lorain, $33,224.

O., Rocky River (br. Cleveland)—Paving Hampton Rd. and Gasser Blvd., to Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland. $36,499.

Ind., Bloomington—Bd. Wks., concrete paving South Lincoln St., to W. R. Price Constr. Co., Bloomington, $57,577.

Ind., Bristol—Concrete paving Main St., to Plummer Constr. Co., Elkhart, $34,047.

Ind., Gary—Grading 127,000 cu.yd., approaches to viaducts on Baltimore & Ohio Ry., to Sunderman Constr. Co., Gary, $59,055.

Ind., Kokomo—Howard Co., concrete paving Haynes Rd., to Kokomo Constr. Co., Kokomo, $36,821. Noted Apr. 12.

Ind., Liberty—Union Co., rein.-con., paving Samuel Hull Rd., to L. P. Beard, Rushville, $37,206. Noted Aug. 23.

Ind., Michigan City—Asphalt paving Pine St., concrete paving Decatur St., to E. W. David Co., Michigan City, $15,654 and $25,141 respectively.

Michigan — R. A. Beers, resident engr., Kalamazoo, concrete paving 7.508 mi. MO14-16, C-1, 20 ft., Cass Co., to Cunningham Constr. Co., Saginaw, for State Hy. Dpt., Lansing, $200,827, incl. cement. Noted Sept. 6.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 6.53 mi. FC6-14, C-1, 20 ft., Arenac Co., to Hillding Constr. Co., Big Rapids, for State Hy. Dpt., Lansing. $182,505 incl. cement.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 3.577 mi. MO9-11, C-1, to T. McNally, Saginaw, $114,850 incl. cement. 2.831 mi. MO9-16, C-1, to J. A. Campbell, Bay City, $130,177 incl. cement, both 20 ft., Bay Co., for State Hy. Dpt., Lansing. Noted Aug. 23.

Mich., Berkley—Grading, one course 8 in. concrete paving 1½ mi. Catalpa Dr., to R. D. Baker Co., Ten Mile Rd. and Grand Trunk R.R., Royal Oak, $74,040.

Mich., Birmingham — Concrete curbing, guttering, graveling, 8 in. concrete paving 1,015 sq.yd. Dists. 129, 130 and 131, incl. Pleasant Ave., to G. W. Smith Co., Franklin Rd., $26,420.

Mich., Detroit—Concrete or stone curbing, 3½ in. sheet asphalt on 8 in. concrete paving 43,920 sq.yd. Broadstreet Blvd., and 5 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $136,120; 5,640 sq.yd. Giese Ave., to M. R. Hanna, Ryan and Nevada Aves., $19,008.

Mich., Monroe — Monroe Co., grading, waterbound macadam paving 2 mi. Albain Rd. W., 16 ft., to W. E. Foale Co., Saginaw, $33,130.

Mich., St. Joseph—Berrien Co., 2 in. sheet asphalt on 6 in. concrete paving 0.76 mi. Fair Ave., to W. J. Lang Constr. Co., South Dearborn St., Chicago, Ill., $50,210.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving in Alexander and Pulaski Counties, to Mitchell Constr. Co., Marion, $53,850—Cook Co., to R. Mann, 2331 Charles St., Rockford, $239,988 — Winnebago Co., to Froemming Corp., 1326 Humboldt Ave., Milwaukee, Wis., $153,221—Hancock Co., to J. L. Wells Co., Rock Island, $45,998—Carroll and Jo Daviess Counties, to Anderson & Empie, Marshalltown, Ia., $240,158—Fulton Co., to Hartmann-Clark Bros., 930 Peoria Life Bldg., Peoria, $48,133—Cook Co., to Bway. Constr. Co., 205 West Wacker Dr., Chicago, $337,481—Henderson Co., to M. Hayes & Sons, Chicago, $89,392—Cook and Kane Counties, to C. E. Giertz & Son, Elgin, $133,065—Ogle Co., to Duncan Concrete Co., La Salle, $140,028—Edgar Co., to Allan J. Parrish, Paris, $4,885—Winnebago Co., to Star Constr. Co., Rockford, $1,401; Pike Co., to Madison Constr. Co., Edwardsville, $150,000—Livingston Co., to E. T. Lobb, Pontiac, $6,323—Kane Co., to McCracken-Vander-Heyden Co., Milwaukee, Wis., $9,194. Grand total $1,653,120. Noted July 5 and Aug. 22.

Ill., Abingdon—Grading, curbing, guttering, vertical fibre brick on concrete paving, to Specht & O'Neill, Bushnell, $34,650.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, sewers, curbing, guttering, asphalt on 6 and 8 in. concrete paving West 19th and Grace Sts., Beldin, Wilson, Laurel and Leoti Aves., to Barber Asphalt Paving Co., 7 South Dearborn St.—South Irving, South Keating and South Springfield Aves., West 48th, 50th to 65th Sts. and Place (inclusive), East 72nd Pl., West Marquette Rd., South State and West 63rd Sts., to American Asphalt Paving Co., 133 West Washington St.—Seminole, Ardmore, North Moody, Meade, McVicker and Austin Aves., to White Paving Co., 1735 Fullerton Ave.—grading, curbing, guttering, sewers, 7 and 8 in. concrete paving East 102nd St. and St. Louis Ave., to Hedges Constr. Co., 64 West Randolph St.—Manila, Catalpa, North Mamora, Mansfield, Menard, Magnet and Parkside Aves., to J. A. Sackley Co., 4608 Belmont Ave.—Belmont Ave., to Chicago Constr. Co., 228 North La Salle St.—Camdon Ave., to J. Dillon & Co., 2953 South Halsted St.—Ainslie St., to Central Paving Co., 179 West Washington St.—Octavia and Odell Aves., to Home Paving Co., 134 North La Salle St. Noted Sept. 6.

Ill., Chicago — Bd. Local Impvts., City Hall, 14 ft. concrete sidewalks on both sides Federal St., 6 in. concrete sidewalks on 59th, 60th, 61st, 70th, 75th, 76th, 110th and Greenshaw Sts., Indianapolis, Komensky, Kenwood, Wabansia, Bloomingdale, South Karlov, Kedvale, Keeler, Nashville, Natoma, Normandy, Rutherford, Oak Park, South Knox, Kilpatrick, Keating, Cicero, Washtenaw, Fairfield and Mansfield Aves., to Aldrich Constr. Co., 140 South Dearborn St.—14 ft. sidewalks on both sides West 14th and South Jefferson Sts., to A. Riccardi, 735 South Robey St.—Gregory St., Belmoral, Berwin, Foster, Bryn Mawr, Catalpa, Roscher, Avondale, North McVicker, North Meade, Moodey, Melvina, Mulligan, Eagle and Natoma Aves., to O. E. Brooks & Son, 6238 North West Hy.—North Halsted, West Hudson and Division Sts., Schubert and North Narragansett Aves., to G. Kehl & Sons, 2225 North Maplewood Ave.—North Irving Park Blvd., South Rockwell St. and North Kilbourne Ave., to Banner Constr. Co., 384 North Harding Ave.—East 25th and West 55th Sts., Archer, Calfan, North Austin, South McVicker, South Meade and South Merrimac Aves., to Superior Concrete Constr. Co., 133 West Washington St.—West 112th and South Ada Sts., South Union, Hamlet and Indiana Aves., to H. Johnson & Co., 340 West 11th St.—Winthrop and Winnemac Aves., to C. Schroeder & Sons Co., 3440 Johnson Ave.—Cortland St., Armitage, Bloomingdale, North Natoma, Nashville, Normandy and Oak Park Aves., to Siewert-Callsen Co., 3865 Milwaukee Ave.—South Hoyne Ave., to A. L. Toorvald—10 ft. concrete sidewalks on both sides South Central Ave., to A. Graff & Co., 30 North La Salle St.—14 ft. concrete sidewalks on both sides West North Ave., to Simpson Constr. Co., 1113 South Hermitage St

Ill., East St. Louis—Curbing, sewers, 8 in. concrete paving 16,600 sq.yd. 16th St., to Louis Rich Constr. Co., 2038 St. Clair Ave., $73,795. Est. $82,200.

Ill., Farmington—Grading, curbing, guttering, concrete paving to F. F. Weir Constr. Co., Moline, $33,736. Noted Sept. 27.

Ill., Park Ridge—For 6,770 sq.yd. concrete paving, to Melahn Bros., Algonquin, $26,776 est. $31,300; 45,133 sq.yd., to I. D. Lane, Waukegan, $158,849 est. $188,996.

Wisconsin — State and Dodge Co. Hy. Comns., Madison, grading 19,000 cu.yd. and constructing Beaver Dam Bridge, on Federal Aid Project 444-E, to A. Brown, Holcombe, $25,956. Noted Sept. 13.

Wis., Madison—Bd. P. Wks., E. E. Parker, engr., to O'Dea & Shafer, Madison, constructing alley in City Block 2, $1,393; Potter St. $8,023—to J. F. Icke, 116 East Washington Ave., alleys in City Block 15 $1,410; City Block 4, $2,908; West Mifflin St. $4,677, pumphouse for South Side Sewer Dist. $22,627—to J. R. Cullinane, 618 West Dayton Ave., constructing Horham St. $28,000—to Quinn Constr. Co., Madison, Kaifin St. $5,238; Lawrence St. $8,237—to Blackhawk Electric Co., 121 West Mifflin St., ornamental lighting system on University Ave., West Gilman and West Graham Sts. $13,822. Grand total $106,335.

Iowa—See "Bridges."

Streets and Roads (Continued)

Minn., Anoka—Anoka Co., grading 44,-599 cu.yd., overhauling 600,840 cu.yd. Ham Lake-Columbus Rd., Job 2801, to Farrell & Clark, 1267 Goodrich Ave., St. Paul, $32,975.

Minn., St. Paul — K. L. Fiseler, city purch. agt., asphaltic concrete paving Maryland St. between Duluth and White Bear Aves., to Thornton Bros. Co., 1343 Dayton Ave., $79,700. Noted Aug. 30.

Kan., Independence — Montgomery Co., grading 6.94 mi. Federal Aid Project 285-A and C, to Osage Constr. Co., Fairfax, Okla., $57,954.

Nebraska — State Hy. Comn., Lincoln, graveling 7.8 mi. Project 54-K, to Reel & Kennedy, Dalton, $4,641—0.14 mi. Project 187, to P. McArdle, 1901 Park Ave., Omaha, $3,226—9 mi. Project 304-L, to Murphy Gravel Co., Lincoln, $11,745—5.6 mi. Project 307, to Roberts Constr. Co., Terminal Bldg., Lincoln, $9,566—culverts on same road, to L. Quinton, Kearney, $753—bridges on same road, to Fremont Constr. Co., Fremont, $3,249—grading 4.4 mi. Project 309-A, to J. E. Tift, 6720 North 24th St., Omaha, $9,832—culverts and bridge on same road, to Nebraska Constr. Co., 525 South 13th St., Lincoln, $3,914 and $4,658 respectively. Grand total $51,684.

Neb., Lincoln—T. H. Berg, city clk., grading, curbing, asphaltic concrete paving 4,820 sq.yd. Dist. 787, to Abel Constr. Co., 308 Terminal Bldg., $15,143—3,770 sq.yd. Dist. 789, to Cochrane Constr. Co., 822 1st Natl. Bldg., $12,238—storm sewers in P St., to Knudsen Co., Bankers Reserve Life Bldg., $4,258. Grand total $31,639. Noted Sept. 6.

Neb., Lincoln—See Unclassified under "Proposed Work."

Neb., Plattsmouth — H. L. Thomas, city clk., grading, curbing, concrete paving Dists. 52, 53, 54 and 56, to F. L. Busche, 4118 North 30th St., Omaha, $20,520. Est. $21,631. Noted Sept. 6.

Mo., Clayton—St. Louis Co., grading, 720 squares macadam paving Sinks Rd., to J. Dillon, 2902a Indiana Ave., St. Louis. Noted Sept. 13.

Mo., Independence—Jackson Co., grading, concrete paving 1.319 mi. Winner Rd. and 3.418 mi. Raytown Rd., to Black Hawk Constr. Co., Waterloo Savings Bank Bldg., Waterloo, Ia., $27,598 and $88,593 respectively—concrete paving 4.451 mi. Blue Springs-Tarsney Rd., to G. G. Roudebush, Kansas City, $105,285. Grand total $221,-476. Noted Sept. 13.

Mo., St. Louis—Bd. P. Serv., City Hall, to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 2,240 sq.yd. Rhodes Ave. $12,418—to Central Paving & Constr. Co., 411 North 7th St., warrenite bitulithic paving 4,060 sq.yd. Bates St. $22,994; 2,485 sq.yd. Loughborough St. $14,555; 6,030 sq.yd. Christy St. $37,967—to Granite Bituminous Paving Co., Ry. Exch. Bldg., 7,415 sq.yd. Grand Blvd. $35,570—to J. F. McMahon, Buder Bldg., vibrolithic concrete paving 3,825 sq.yd. Odell St. $19,150; 3,575 sq.yd. Ferris Ave. $18,540—to Eyermann Contg. Co., 1210 South Grand Blvd., rein.-con. paving 2,650 sq.yd. Kansas St. $15,-736—to Perkinson Bros. Constr. Co., 3237 Carter Ave., granite block paving 3,680 sq.yd. 12th St. $29,131; asphaltic concrete paving 2,330 sq.yd. Pamphlin St. $11,440—to Trinidad Asphalt Mfg. Co., 600 South Theresa Ave., asphaltic concrete paving 3,-645 sq.yd. 59th St. $21,193—to Bridges Asphalt Paving Co., 1470 Kentucky St., 4,110 sq.yd. Bingham St. $25,169—to Cream-Scott Constr. Co., Chouteau Trust Bldg., 1,245 sq.yd. Wiesehn St. $7,796—to C. A. Moreno, Syndicate Trust Bldg., 1,060 sq.yd. Gertrude St. $7,326; 745 sq.yd. Alexander St. $4,828. Grand total $283,813. Noted Aug. 30.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, concrete paving alleys in City Blocks 1033 and 1323, to Eyermann Contg. Co., 1210 South Grand Blvd. $10,571—City Blocks 3964, 5125 and 5595, to Alfred Lewald, Inc., 6025 West Cabanne Ave. $16,006—City Blocks 5514 and 5743, to W. A. Riley, 110 North 7th St., $5,704. Grand total $32,381. Noted Aug. 23.

Texas—G. Gilchrist, state hy. engr., Austin, grading, bridging, concrete paving 1.054 mi. hy. in Nueces Co., to Standifer Bros., P. O. Box 193, Big Wells, $28,572—grading, bridging, waterbound macadam and double bituminous surface treating 10.763 mi. Harris Co., to S. A. Starkey, 304 Stewart Bldg., Houston, $146,428—2 course gravel surfacing 31.101 mi. Zavalla Co., to Dexter Constr. Co., Love Field, Dallas, $251,128—bituminous macadam on crushed stone paving 22.527 mi. Cass Co., to J. E. Ward & Co., Inc., 716 Linz Bldg., Dallas, $246,011 — rein.-con. paving 17.273 mi. Walker Co., and grading, bridging 16.979 mi. Henderson Co., to Tibbetts Constr. Co., 714 Neal P. Anderson Bldg., Ft. Worth, $368,337 and $281,386 respectively—13.313 mi. Wilbarger Co., to Dickey Bros. & Blanton, Woodson, $30,813—4.077 mi. Ellis Co., to D. H. Purvis & Son, P. C. Box 706, Ft. Worth, $19,875—15.85 mi. Throckmorton Co., to Huddleston & Work, Crosbytown, $57,510—concrete paving 14.443 mi. Fort Bend Co., to C. K. Horton, P. O. Box 1394, Houston, $289,725—pea gravel on gravel surfacing 8.238 mi. Fayette Co., to C. M. Kelly, 503 Barrett Pl., San Antonio, $24,102—bituminous concrete on caliche paving 17.359 mi. Shackelford Co., to American Asphalt Co., Allen Bldg., Dallas, $357,703—grading, gravel surfacing 20.011 mi. El Paso Co., to Veater & Davis, 204 Cotton Exch. Bldg., El Paso, $111,940—disintegrated limestone surfacing 9.787 mi. Jim Wells Co., to Hedges Co., Box 23, Houston, $49,441—wrecking, removing concrete dips, constructing 15 rein.-con. culverts Bee Co., to Houston Surfacing Co., 3840 Polk St., Houston, $20,547—rehabilitating 3 multiple box culverts and earth approaches Starr Co., to L. E. Sanders, 400 Kendalia Ave., San Antonio, $26,133. Grand total $2,309,654. Noted Sept. 13.

Texas—G. Gilchrist, state hy. engr., Austin (**e. e. means engrs. est.**), to Tibbetts Constr. Co., 714 Neil P. Anderson Bldg., Ft. Worth, grading, bridging, concrete paving 5.123 mi. hy. Hudspeth Co. $104,906 e. e. $122,000; 7.419 mi. same county $170,159 e. e. $180,000; grading, bridging 10.559 mi. Victoria Co., $58,309 e. e. $63,000—to H. B. Zachary, Laredo, grading, bridging, overpass, concrete paving 8.344 mi. Webb Co., $262,194 e. e. $270,000—to A. A. Davis & Co., 300 City Bank Bldg., Kansas City, Mo., grading, concrete paving 16.956 mi. Austin Co., $346,400 e. e. $378,000—to R. B. Stroup, P. O. Box 14, Sherman, grading, bridging 13.181 mi. Knox Co., $35,955 e. e. $27,000—to C. H. McClellan, 1402 Travis St., Wichita Falls, 15.835 mi. Foard Co., $39,691 e. e. $54,000—to L. J. Miles, P. O. Box 61, Dryden, 14.455 mi. Kinney Co., $30,478 e. e. $39,600—to Cage & Ruby, Bishop, 15.524 mi. La Salle Co., $46,954 e. e. $57,600—to Russ Mitchell, Inc., Petroleum Bldg., Houston, 7.332 mi. Matagorda Co., $23,645 e. e. $25,200—to E. R. Bryant, Lockney, 10.168 mi. Foard Co., $49,388 e. e. $59,400; 16.507 mi. Cottle Co., $66,969 e. e. $86,400—to W. W. Vann & Co., Mercedes, 13.785 mi. Refugio Co., $72,616 e. e. $81,000—to S. A. Starkey, 304 Stewart Bldg., Houston, 4.225 mi. Harris Co., rock asphalt on macadam paving $71,915 e. e. $72,000. Grand total $1,379,579.

Tex., Slinton—Judge San Patricio Co., Ft. Worth Natl. Bldg., limestone rock asphalt paving Virginia Pl., Potomac St. and Linden Lane, $27,400; Lenox Dr., 4th St., Hamilton and Dorothy Lane, $97,300; Monticello Dr. $42,950 — to West Texas Contg. Co., Cotton Exch. Bldg., 2 in. asphaltic concrete paving Bryce, Green, Collyer and Vaughin Sts., $87,000. Grand total $254,650. Noted Aug. 23.

Tex., Sinton — Judge San Patricio Co., grading, caliche or gravel surfacing 11 mi. Mathis-Bluntzer Rd., to Cage & Ruby, 512½ West Park St., San Antonio, $24,377. Noted Aug. 30.

Oklahoma — State Hy. Dpt., Oklahoma City, concrete slab surfacing 7.145 mi. Payne Co. and 2.943 mi. Noble Co., to Amer. Paving Corp., Omaha, Neb., $150,-995 and $62,914 respectively, ests. $160,-000 and $65,000 respectively—8.444 mi. Noble Co., to A. L. Cook, Ottumwa, Kan., $183,464 est. $200,000—5.021 mi. Logan Co., to T. Collins, Cushing, $108,778 est. $125,-000—5.21 mi. Pawnee Co., to Standard Paving Co., 2119 East 11th St., Tulsa, $109,835 est. $125,000—asphalt surfacing 3.588 mi. Seminole Co., to C. S. Beekman & Co., 1801 East 9th St., Oklahoma City, $99,981 est. $112,000. Grand total $705,-967. Noted July 26.

Okla., Altus—Jackson Co., graveling 10 mi. Road 7, to S. H. Atkins, Blair, $31,644. Est. $36,500.

Okla., Enid — Grading, concrete paving 8,750 sq.yd. 6th and East Randolph Sts., to Hyde Constr. Co., Amer. Bank Bldg., Enid. $24,882. Est. $27,480.

Okla., Oklahoma City — Grading, sheet asphalt paving 6,100 sq.yd. 21st St., to Western Pavng Co., Petroleum Bldg., $31,-942. Est. $32,410. Noted June 7.

Colorado—State Hy. Dept., Denver, concrete paving 0.921 mi. Weld Co., to S. & S. Constr. Co., 1822-7th Ave., Greeley, $25,270—graveling 4.833 mi. Montezuma Co., to E. J. Maloney, Madison, S. D., $59,447—600 ft. rock filled bulkhead bank protection Moffat Co., to Hinman Bros. Constr. Co., 3358 Race St., Denver, $11,925. Grand total $96,642. Noted Sept. 13.

Colorado—State Hy. Dept., Denver (**F.A. means Federal Aid**), grading 3.663 mi. F.A. 293-C, Ouray Co., to C. V. Hallenbeck, Rifle, $62,998—gravel surfacing 2.414 mi. F.A. 298-B, Archuleta Co., to Engler & Terjssier, Durango, $38,426 — paving 1.224 mi. F.A. 2-R7, Los Animas Co., to H. C. Lallier C. & C. Co., Continental Trust Bldg., Denver, $67,000—1.633 mi. F.A. 2-R8, Los Animas Co., to J. Finger & Son, 416 Patterson Bldg., Denver, $66,660. Grand total $235,084. Noted Sept. 13.

Colo., Denver — Dpt. Impvt. & Parks, grading, curbing, crushed rock paving Rude Park Impvt. Dist. 1, to J. Collier, 63 South Logan St., $39,311 — asphaltic concrete paving South Denver Paving Dist. 10, to Levy Constr. Co., Symes Bldg., $32,966. Noted June 28.

Arizona — State Hy. Comn., Phoenix, grading, surfacing 5.2 mi. Chandler-Casa Grande Hy., San Tan Sect., to Canion & Francis, Phoenix, $26,021. Noted Sept. 6.

Arizona—See "Bridges."

Washington—State Hy. Comn., Olympia, grading 213,000 cu.yd. Klickitat Co., to Campbell Constr. Co., 141 Park Ave., Renton, $156,028—212,000 cu.yd. King Co. and concrete paving 3,220 sq.yd. Pierce Co., to T. M. Morgan Paving Co., 640 Skinner Bldg., Seattle, $112,222 and $60,544 respectively—crushed graveling 10,500 cu.yd. Clallam Co., to P. B. Doherty, Hermiston, Ore. $14,540—4,000 cu.yd. Grays Harbor Co., to R. O. Dail, 2717 Simpson Ave., Aberdeen.

Ore., Portland—O. Laurgard, city engr., asphaltic concrete paving 1,700 ft. Lloyd Blvd., 30 ft., to Kern & Kibbie, Portland, $25,706. Est. $25,105.

California—State Hy. Comn., Sacramento, grading, asphaltic concrete paving 14 mi. Los Angeles Co., to Griffith Co., Ry. Bldg., Los Angeles, $63,447—1 mi. Imperial Co., to R. E. Hazard Co., 2548 Kettner St., San Diego, $29,395—bituminous macadam paving 2.1 mi. Placer Co., to E. F. Hilliard, 1355 43rd St., Sacramento, $13,594. Grand total $106,436. Noted Aug. 30.

California—State Hy. Comn., Sacramento, grading, concrete paving 11.5 mi. Sonoma Co., to H. H. Petersen, 1711 West Atlantic St., San Diego, $383,689—grading, crushed rock surfacing 2.5 mi. Nevada Co., to Mathews Constr. Co., Forum Bldg., Sacramento, $27,983—grading, asphaltic concrete surfacing 0.8 mi. San Joaquin Co., to Cannon & McCarthy, Stockton, $28,220. Grand total $439,892.

Calif., Compton—Grading, curbing, guttering, walks, watermains, 5 in. concrete paving 394,474 sq.ft. Fig, Peach, Plum, Pear and Apple Sts., to G. H. Oswald, 366 East 58th St., Los Angeles, $87,661.

Calif., Corona—Concrete walks, guttering, oil macadam paving 5th St., to H. M. Rouse, 771 3rd St., San Bernardino, $33,015.

Calif., El Monte—Curbing, walks, watermains, hydrants 4 in. asphaltic concrete paving Brockway Ave., A. and I. 1, to Hall-Johnson Co., 905 Westminster Ave., Alhambra, $87,965. Noted Apr. 5.

Calif., Eureka—Grading, asphaltic concrete paving Harris St., to Mercer-Fraser Co., Eureka, $50,545. Noted Sept. 20.

Calif., Inglewood—Grading 99,756 cu.yd., 6 in. concrete paving 38,745 sq.ft. and macadam paving 28,344 sq.ft. Stella St., to Johnson & Sons, 4183 South Normandie Ave., Los Angeles, $25,097.

Calif., Los Angeles — Los Angeles Co., curbing, walks, guttering, 5 in. disintegrated granite on 6 in. concrete paving Wilshire Blvd., to G. H. Oswald, 366 East 58th St., $319,062. Est. $352,757. Noted Aug. 23.

Calif., Los Angeles—Los Angeles Co., concrete paving 44,562 sq.ft. and decomposed granite paving 312,151 sq.ft. Market St., Impvt. Dist. A and I 145, to W. H. Coff. 1921 Apex St., $107,334. Est. $112,416.

Calif., Lynwood—Concrete paving, walks, curbing, guttering, 114th St., A. and I. 19, to Drainage Constr. Co., P. O. Box 345, Santa Ana, $202,000.

Calif., Lynwood—Grading, 5 in. concrete paving Tecumseh St., to O. U. Miracle, 4500 Menlo St., San Diego, $28,101.

Calif., Manhattan Beach—Grading, c.i. mains, concrete paving 34th, 24th and 36th Sts., to Ed. Johnson & Sons, 4183 S. Normandie Ave., Los Angeles, $48,905; grading, National paving 25th St., to Heinecke Constr. Co., 714 West 10th St., Los Angeles, $63,087. Noted Aug. 30.

Calif., Palo Alto—Grading, concrete paving Margarita St., to Peninsula Paving Co., Standard Oil Bldg., San Francisco, $44,580; Newell Rd., to N. M. Ball, Porterville, $20,756.

Calif., Rialto—Curbing, guttering, sidewalks, 6 in. macadam paving 245,910 sq.ft. Perris Ave., to G. Gardner, 45 Cypress Ave., Redlands, $36,785.

Calif., Richmond—A. C. Faris, city clk., grading 4 in. asphaltic concrete, 2 in. warrenite bitulithic paving 23rd St., to California Constr. Co., Standard Oil Bldg., San Francisco, $71,191. Noted Sept. 13.

Calif., Riverside—Riverside Co., grading, macadam paving 2.5 mi. Cloverdale Rd. and Adams St., to Pearson & Dickerson, P. O. Box 325, Riverside, $31,985.

Calif., San Francisco—Paving 2,100 ft. Kezar Stadium Roadway in Gold State Park, 60 ft., to J. M. Smith, 750 Ocean Ave., $55,161. Noted Sept. 27.

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Streets and Roads (Continued)

Calif., Sacramento — Asphaltic concrete paving 4 mi. Marconi and Fulton Aves., to C. W. Wood, Builders Exch. Bldg., Stockton, $42,358.

Calif., San Gabriel—I. H. Stouffer, city clk., curbing, 2 in. warrenite on 6 in. asphaltic concrete paving 422,820 sq.ft. Las Tunas Dr., to Hall-Johnson Co., 905 Westminster St., Alhambra, $97,828. Noted Aug. 30.

Calif., San Jose—H. Phister, clk. Santa Clara Co., grading 155,474 cu.yd. Congress Springfield Rd., to J. F. Collins, Saratoga, $93,825.

Public Bond Elections

Coming Bond Elections

Waterworks—Akron, O., Nov. 6, $6,000,000.
Waterworks—Arlington, Kan., Oct. 4, $34,000.
Waterworks—Poplar Bluffs, Mo., December, $225,000.
Waterworks—Chelsea, Okla., Nov. 6, $150,000.
Waterworks — Granger, Tex., Oct. 16, $60,000.
Waterworks, Sewers, Paving, etc.—Jacksonville, Tex., Oct. 23, $250,000.
Waterworks—Weiner, Tex., $40,000.
Waterworks—Sacramento, Calif., $11,500,000.
Waterworks—Suisun City, Calif., Oct. 16, $30,000.
Sewers and Paving—Jacksonville, Fla., $1,800,000.
Sewage System — Cincinnati, O., Nov. 6, $250,000.
Sewage Disposal Plant Addition—Fostoria, O., Nov. 6, $100,000.
Sewage Disposal Plant — Detroit Lakes, Minn., Nov. 6, $80,000.
Viaduct—Cincinnati, O., Nov. 6, $1,000,000.
Bridge—Euclid, O., Nov. 6, $75,000.
Bridge, — Douglas County, Neb., Nov. 6, $800,000.
Bridge — King County, Wash., Nov. 6, $780,000.
Channel Impvt.—Pentecton, B. C., Oct. 8, $150,000.
Approaches Bridge—Melbourne, Fla., Oct. 16, $50,000.
Paving—Shelbyville, Tenn., Oct. 9, $50,000.
Street Widening, Paving, etc.—Akron, O., Nov. 6, $3,530,000.
Street Widening — Cincinnati, O., Nov. 6, $1,000,000.
Street Extension—Euclid, O., Nov. $125,000.
Roads—Coke County, Tex., Oct. 9, $100,000.
Roads—Ellis County, Tex., Dist. 16, Oct. 4, $489,000.
Street Widening — Portland, Ore., Nov. 6, $6,209,000.
Schools—Akron, O., Nov. 6, $2,000,000.
Schools—East Cleveland, O., Nov. 6, $580,000.
High School—North Olmstead, O., Nov. 6, $295,000.
High School—Maple Heights, O., Nov. 6, $250,000.
Schools—St. Joseph, Mo., Oct. 9, $2,180,000.
High School—Davenport, Ia., $450,000.
High School — San Diego, Calif., Oct. 9, $181,000.
Grade Crossing Elimination — Akron, O., Nov. 6, $3,000,000.
Parks and Playgrounds — Cincinnati, O., Nov. 6, $500,000.
Grade Crossing, Elimination — Cincinnati, O., Nov. 6, $2,000,000.
Stadium—Cleveland Heights, O., Nov. 6, $125,000.
Natural Gas System—Muskogee, Okla., Oct. 23, $1,250,000.
Airport — Douglas County, Neb., Nov. 6, $250,000.

Bonds Voted

Waterworks—Antioch, Calif., $35,000.
Sewers—Hopewell, Va., $50,000.
Sewerage Disposal Plant—Escondido, Calif., $70,000.
Paving—Hopewell, Va., $150,000.
Paving—Palestine, Tex., $60,000.
Paving, Sewers—Westmount, Que., $60,000.
Schools — Tulsa, Okla., $1,000,000, L. J. Shumway, archt.
Parks, etc.—Pascagoula, Miss., $60,000.

Bonds Defeated

Waterworks—Terrel, Okla., $23,000.
Waterworks and Sewers — Richland, Mo., $65,000.
Waterworks—Warsaw, Mo., $60,000.
High School—Albany, Calif., $200,000.
Paving—Maud, Okla., $81,200.
Paving—Waynoka, Okla., $35,000.
Paving—Fulton, Mo., $39,000.
Roads—Cooke County, Tex., $2,000,000.

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Calif., Santa Ana—Orange Co., grading, concrete paving 5,835 sq.yd., gravel base paving 274,889 sq.ft. South Main St., to Matich Bros., Elsinore, $63,485.

Calif., Santa Barbara—Asphaltic concrete paving Mountain Dr., to Cornwall Constr. Co., 227 Equestrian St., $31,500.

Calif., Santa Barbara—Grading, curbing, guttering, paving, Loma Alta Dr., to Hunter & Richardson, 122 West Valerio St., $29,966.

Calif., South Gate—Curbing, walks, vibrolithic concrete paving, grading 198,956 sq.ft. Ardmore Ave., to V. Kovacevich, 1553 Loma Ave., Long Beach, $59,508. Noted Aug. 23.

Calif., Ukiah—For 1.5 in. warrenite bitulithic on 2.5 in. asphaltic concrete paving 173,235 sq.ft., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $41,915.

Ont., Sandwich—Sandwich West Twp., concrete paving 2 mi. Howard Ave., 20 ft., to Labute & Canuel, Tecumseh Rd. E., Tecumseh, $60,000.

Ont., Sandwich—Essex Co., concrete paving Alice and Russell Sts., to Cadwell Sand & Gravel Co., 228 Sandwich St., Windsor, $35,000.

Buildings—Industrial

Proposed Work

Vt., Pownal — CEMENT PLANT — Commonwealth Portland Cement Co., L. L. Griffiths, pres., 58 Pine St., New York, cement manufacturing plant. $1,000,000. Private plans. Noted May 10.

Mass., Chelsea (br. Boston) — WAREHOUSE—Texas Co., 31 St. James St., Boston, 2 story, 40 x 145 ft., brick, concrete addition, 109 Marginal St. $70,000. Private plans.

Conn., West Mystic—PLANT—Sea Sled Corp., J. A. Christen, mgr., brick boat-manufacturing plant. $250,000. Engineer and architect not selected.

N. Y., Brooklyn — GARAGE and GAS STATION — E. Leshnower, 1342 East 1st St., plans by M. Klein, 65 Court St., 100 x 100 ft., concrete, Coney Island Ave. and Avenue L. $60,000.

N. Y., Brooklyn—OIL STORAGE—Sinclair Refining Co., 45 Nassau St., New York, plans by T. W. White, company engr., altering and extending oil storage, Grand St. and Metropolitan Ave. bridge. $60,000.

N. Y., New York — BAKERY — Dalros Building Corp., G. Mostoff, pres., 277 Bway., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 1 story, 96 x 99 ft. brick, 172nd St. and Rosedale Ave. $40,000.

N. Y., New York — POWER STATION and SERVICE—Amer. Museum of Natural History, 77th St. and Columbus Ave., bids in December, general contract power station and service building, 77th St. and Columbus Ave. $750,000. Trowbridge & Livingston, 527 5th Ave., archts. Noted July 12 under "Buildings—Commercial."

N. Y., Sunnyside (mail Long Island City) — BAKERY — Stade Constr. Corp., 881 Ocean Parkway, Brooklyn, plans by Farber & Kalpin, 174 Pitkin Ave., Brooklyn, 1 story, 80 x 100 ft., brick, 43rd Ave. and 44th St. $50,000.

N. J., Plainsboro—PRINTING PLANT—Funk Printing Press Co., 150 Nassau St., New York, (1st unit) 1 story, 60 x 400 ft., brick printing plant.

N. J., Secaucus (Ind. br. West New York)—SILK FACTORY—Ecker & Lustgarten Silk Co., 470 5th Ave., New York, plans 2 story, 130 x 130 ft., brick, steel, plain found., Chestnut St. $50,000.

Pa., Phila. — POWER PLANT and GARAGE — Morris Wheeler Co., 30th and Locust Sts., power plant, garage and office building, Fox and Roberts Aves. $1,500,000. J. S. Simsohn, Broad and Girard Sts., engrs.

N. C., Asheville — RAYON PLANT — American Enka Corp., A. F. L. Moritz, vice-pres. and ch. engr., 114 East 32nd St., New York, viscose rayon plant, in Hominy Creek Valley, near here. $10,000,000. Lockwood, Greene & Co., 1 Pershing Sq., New York, engrs.

N. C., Durham — PLANT — Golden Belt Mfg. Co. plant addition, incl. 18 new full fashioned hosiery machines. $200,000.

La., Winnfield—POWER PLANT—See "Waterworks."

O., Cleveland — FACTORY — Gears & Forgings, Inc., 3010 Woodhill Rd., plans by Carter-Richards Co., archts. and engrs., 622 Engineers' Bldg., 3 story, basement, 72 x 72 ft., brick, steel addition. $50,000.

O., Cleveland—FACTORY—Eaton Axle & Spring Co., C. I. Ochs, pres., East 65th St. and Central Ave., plans by G. S. Rider & Co., Century Bldg., 1 story, 330 x 400 ft., brick, steel, East 140th St. and New York Central R.R. $500,000.

O., Dayton — GARAGE, REPAIR and SALES—G. R. Boeckling Motor Co., 1900 East 3rd St., 2 story, basement, 75 x 150 ft., brick, steel, plain found., East 3rd St. $100,000. Private plans.

Mich., Detroit—FACTORY—Lincoln Mfg. Co., 2630 Erskine St., plans by Kohler & Payne, 404 Kresge Bldg., 4 story, part basement, 85 x 100 ft., rein.-con., brick, plain found., Erskine St. $70,000.

Mich., Flint — FACTORY — A. C. Spark Plug Co., Harriet and Industrial Aves., 1 story, 144 x 275 ft., rein.-con., brick, steel, plain found., Industrial St. $150,000. Private plans.

Ill., Chicago — MACHINE FACTORY — General Engineering Works, 430 Division St., sketches plant, on 80,000 sq.ft. site, Division and Cicero Sts.

Neb., Hastings — FREIGHT DEPOT — Union Pacific R.R. Co., G. J. Adamson, asst. ch. engr., Omaha, soon takes bids 1 story, 44 x 428 ft., rein.-con., brick freight depot, incl. loading platform, Denver Ave. and South St. $225,000. Noted Dec. 8.

Texas — HYDRO-ELECTRIC PLANT — Central Power & Light Co., Frost Bldg., San Antonio, 7,500 hp. hydro-electric power plant in Maverick Co. $250,000. Private plans.

Tex., Edinburg — STORAGE PLANT — Pacific Fruit Express Co., 10,000 ton addition to storage plant. Private plans.

Tex., Port Aransas—CEMENT PLANT—Monolithic Portland Gulf Co., soon takes bids cement and paving material plant; also dredging slip, 600 ft. long, 300 ft. wide, 15 ft. deep, own forces. Total $2,500,000. Private plans.

Okla., Bartlesville — OIL REFINERY — Empire Oil & Gas Co. sketches new 10,000 bbl. oil refinery. $400,000. Private plans.

Okla., Sapulpa — LIGHT PLANT — City sketches electric light plant. $250,000. F. E. Lawrence, Sapulpa, engr.

Okla., Spavinaw — HYDRO-ELECTRIC PLANT—City of Tulso preliminary plans hydro-electric plant on Grand River near here. $500,000. B. M. Hart, City Hall, Tulsa, engr.

Wyo., Cody — REFINERY — Texas Co., West Travis St., San Antonio and 83 Lottman St., Houston, Tex., refinery. $250,000. Private plans.

Calif., Pittsburg — SUB-STATION — Pacific Gas & Electric Co., 245 Market St., San Francisco, sketches sub-station. $100,000. Private plans.

Calif., Los Angeles—CHEMICAL PLANT—Stauffer Chemical Co., Rives-Strong 60 x 150 ft. caustic soda building, 75 x 75 ft. acid plant, caustic soda and acid tanks, 2,000 tons capacity, 30 x 60 ft. administration building, and 25 x 60 ft. garage, brick, concrete, steel, Wilmington Ave. $750,000. Private plans.

Calif., San Francisco — FUMIGATION PLANT — California Cotton Mills, J. H. Miller, genl. mgr., Cotton and Railroad Aves., Oakland, 1 story, fireproof, 11,000 sq.ft. floor space, Berry St.

Calif., Tiburon — SHOP — Northwestern Pacific R.R. Co., G. H. Hicks, ch. engr., 64 Pine St., San Francisco, 1 story, steel, iron shop. $40,000.

Calif., Tracy — MILK CONDENSERY — Libby-McNeil & Libby, Merchants Exch. Bldg., San Francisco, milk condensery and powdered milk plant, brick. $40,000. Private plans.

Que., Hull—FACTORY—Mississippi Iron Wks. Ltd. soon takes bids new plant, Montcalm St.

Que., Hull—MATCH FACTORY—Company being formed soon takes bids replacing factory of Eddy Co., recently moved from city. $200,000. T. Lanctot, city engr.

Bids Desired

Mass., Belmont — SERVICE and REPAIR GARAGE — Town, c/o H. T. Underwood, archt., 46 Cornhill, Boston, taking bids 1 story, irregular sized, brick, stone, rein.-con., plain found., Waverly St. $40,000. Noted Sept. 6.

Mass., Brockton—GARAGE and REPAIR SHOP—Brockton Gas & Light Co., G. H. Priest, mgr., 54 Main St., taking bids 1 story, 125 x 125 ft., brick, steel, plain found., School St. $50,000. C. H. Tenney Co., 200 Devonshire St., Boston, engrs. Noted Jan. 12.

Mass., Chelsea (br. Boston)—FACTORY and OFFICE—Raffi & Swanson, 22 Custom House, Boston, taking bids 1 story, 50 x 65 ft., brick, stone, plain found., 1016 Bway. $40,000. W. T. Littlefield, 9 Hamilton Pl., Boston, archt. Noted Sept. 27.

Mass., Lynn—FACTORY—Bender Shoe Co., M. F. Costigan, 95 State St., taking bids altering 1 and 2 story, brick, plain found., incl. heating plant, 95 State St. $40,000 or more. Sanborn & Weed, Item Bldg., archts. Noted Aug. 23.

Mass., Medford (br. Boston)—SERVICE and REPAIR—Willard Welch Realty Co., 209 Washington St., Boston, taking bids 1 story, 60 x 80 ft., brick, steel, stone, plain found., Main St. $40,000. C. F. Springall, 84 Sprague St., Malden, archt.

Buildings—Industrial (Continued)

Mass., Quincy Point (mail Boston) — SERVICE and REPAIR GARAGE — J. Agnes, 83 Stewart St., Quincy, taking bids 1 story, irregular sized, brick, steel, plain found., Washington St. $40,000. J. W. Pratt, City Hall, Quincy, archt.

N. Y., Brooklyn—SHOP, etc.—Oct. 17, by Dpt. Mental Hygiene, Capitol, Albany, shop building, remodeling pump room, and power house, vegetable storage, at Brooklyn State Hospital; adv. E. N.-R. Oct. 4.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. J., Haledon (mail Paterson) — SILK PRINT MILL — See "Contracts Awarded."

N. J., Newark—MANUFACTURING—W. Clifford, Jr., archt., 293 Morris Ave., Elizabeth, taking bids on revised plans general contract 3 story, basement, 45 x 100 ft., brick, steel, plain found., Oraton St., for Delagrave Co., 829 Bway. $40,000. Noted Sept. 27.

N. J., Newark — SUB-STATION — See "Contracts Awarded."

Mo., St. Louis—MATTRESS FACTORY —See "Contracts Awarded."

Tex., Port Aransas—CEMENT PLANT—See "Proposed Work."

Contracts Awarded

Mass., Boston—PLANT—Maverick Mills, 144 Addison St., East Boston, 3 story, basement, brick, steel addition, plain found., to Frankini Bros, Co., 30 Mystic Ave., Medford. Est. $40,000.

Mass., Watertown (Ind. br. Boston)—FACTORY—F. C. Hersee Co., 47 Bacon St., 1 story, 50 x 100 ft., and 30 x 45 ft., rein.-con., brick addition, plain found., Bacon St., to L. C. Titus, 50 Lincoln St. Est. $40,000.

Mass., Woronoco — PLANT — Stratmore Paper Co., 4 story, 45 x 200 ft., rein.-con. addition, plain found., to L. S. Wood, 14 Stockbridge St., Springfield. Est. $160,000.

Conn., Buckland — POWER HOUSE — E. E. Hillard Co., 1 story, brick, power house and intake, to Manchester Constr. Co., 875 Main St, South Manchester.

N. Y., Brooklyn—SERVICE GARAGE—Marion Reid Garage, Inc., L. Rosenberg, pres., 391 Fulton St., 2 story, 100 x 159 ft., Atlantic and Brooklyn Aves., separate contracts and day labor. $100,000. Kleirnert & Klie, 250 Park Ave., New York, archts. Noted Sept. 13.

N. Y., Maybrook — ENGINE HOUSE — New York, New Haven & Hartford R.R. Co., Grand Central Terminal, New York, brick, steel addition, to H. Wales Lines Co., 134 State St., Meriden, Conn. Est. $50,000.

N. J., Haledon (mail Paterson) — SILK PRINT MILL — Kapo Silk Dye Plant, 269 Morrisee Ave., 2 story, basement, 55 x 130 ft., rein.-con., brick, steel addition, plain found., separate contracts. $75,000. J. C. Van Vlandren, 140 Market St., Paterson, archt.

N. J., Newark — SUB-STATION — Pub. Serv. Electric & Gas Co., 80 Park Pl., 2 story, basement, 40 x 70 ft., brick, steel, plain found., 1223-9 Broad St., separate contracts. $60,000. Pub. Serv. Production Co., 80 Park Pl., archts. Noted Sept. 27.

Pa., Columbus — INDUSTRIAL — Armstrong Furnace Co., 1 story, brick, steel industrial buildings, to Rust Eng. Co., Amer. State Bank Bldg., Pittsburgh, Pa. Est. $50,000.

Md., Baltimore—SERVICE STATION—International Harvester Co., 81 Mosher St., 1 story, mezzanine, 125 x 260 ft., rein.-con., brick, steel, to J. L. Robinson Constr. Co., 522 Park Ave., $105,000. Noted Sept. 20.

N. C., Greensboro—HOSIERY MILL—Adam Hillis, Inc., Highpoint St., 3 story, basement, 107 x 130 ft., brick, steel, rein.-con., plain found., to W. F. Lotz, Frankford and Oxford Sts., Phila., Pa.

Ga., Augusta — HYDRO-ELECTRIC PLANT — Savannah River Electric Co., subsidiary Southeastern Power & Light Co., 120 Bway., New York, hydro-electric plant on Savannah River above here. $20,000,000. Owner builds.

O., Cleveland—FACTORY—Forest City Walworth Run Foundries Co., W. J. Strangward, pres., 2500 West 27th St., rebuilding 4 story, basement, brick, steel, West 27th St. and New York, Chicago & St. Louis R.R., to S. W. Emerson Co., 1836 Euclid Ave. Est. $50,000.

O., Cleveland—FACTORY—Western Reserve Mfg. Co., 3710 East 93rd St., 1 story, 32 x 110 ft., steel, to Truscon Steel Co., 4614 Prospect Ave. Est. $40,000.

O., Cleveland—GARAGE and SERVICE—Cleveland Clinic Foundation, c/o A. Perkins, secy., East 93rd St. and Euclid Ave., 100 x 300 ft., concrete, brick, steel, Carnegie Ave. and East 90th St., to L. W. Lapp, 2020 Brunswick Rd. Est. $200,000.

O., Cleveland — LAUNDRY — West End Laundry Co., A. J. Salder, pres., 10610 Madison Ave., 1 and 2 story, 60 x 115 ft., brick, steel addition, to Bert Shields Co., Union Mortgage Bldg. Est. $40,000. Noted Sept. 20.

O., Dayton—FACTORY—Delco-Remy Co. (subsidiary General Motors) 329 East 1st St., 1 story, basement 75 x 120 ft., brick, steel, plain found., 1st St., to Hillsmith & Co., Winters Bank Bldg., $46,000.

Ind., Anderson — INDUSTRIAL — Natl. Tile Co. (1st unit), 1 story, 90 x 415 ft., rein.-con., brick, steel, 26th and Lynn Sts., to Ethelman & Sons, Anderson. Est. $75,000.

Ind., Indianapolis — LAUNDRY — Fame Laundry Co., 27 North Capital St., 4 story, basement, 90 x 205 ft., rein.-con., brick, to Foster Eng. Service Co., 726 Knights of Pythias Bldg. Est. $200,000. Noted Aug. 30.

Ind., South Bend—FACTORY—Indiana Lumber Mfg. Co., general contract 2 story, 34 x 160 ft., brick, steel, 742 South Michigan St., to C. A. Jordan, 725 Wilbur St. Est. $47,000.

Mich., Detroit—FACTORY—Briggs Mfg Co., 11631 Mack Ave., 1 story, 140 x 370 ft. rein.-con., brick top addition, Warren Ave., to Otto Misch Co., 159 East Columbus St. Est. $80,000.

Mich., Detroit—FACTORY and POWER PLANT—Fisher Body Corp., Genl. Motors Bldg., 1 story, 100 x 800 ft. power plant, 2 story, 40 x 100 ft. factory, rein.-con., brick, steel, to J. A. Utley Co., 729 Penobscot Bldg. Noted Sept. 27.

Mich., Grand Rapids — BAKERY — Holland American Wafer Co., 1823 South Division Ave., 2 story, basement, 44 x 100 ft., concrete, brick, steel, plain found., South Division Ave., to Osterink & Voss, 1621 Grandville St. S. W. Est. $40,000.

Mich., Grand Rapids—BAKERY—Kroger Baking & Grocery Co., 817 Main St., Cincinnati, O., bakery addition, Buchannan St., to Owen-Ames-Kimball, Pearl St., $50,000.

Mich., Grand Rapids—COLD STORAGE—Pere Marquette R.R., H. A. Cassil, ch. engr., Detroit, 4 story, basement, 60 x 160 ft., rein.-con., brick, plain found., Ottawa St., to Owen-Ames-Kimball, Pearl St. Est. $250,000.

Mich., Grand Rapids—FACTORY—Grand Rapids Store Equipment Co., Monroe Ave. N. W., 1 story, basement, 100 x 166 ft., and 40 x 100 ft., brick, steel addition, plain found., Monroe St., to Owens-Ames-Kimball, Pearl St. Est. $50,000.

Mich., Lansing—FACTORY—Olds Motor Wks., 1101 Division St., 2 story, brick, steel, plain found., to Reniger Constr. Co., 127 North Cedar St. Noted Sept. 13.

Mich., Muskegon—GARAGE and OFFICE—Muskegon Co. Road Comn., Court House, 1 story, 80 x 202 ft. garage and 2 story, basement, 40 x 85 ft. administration building, rein.-con., brick, steel, Getty St., to J. J. Olson & Son, Muskegon, $64,500.

Mich., Saginaw—FACTORY and WAREHOUSE—Schust Co., 401 Congress St., 5 story, basement, 52 x 130 ft., rein.-con., brick, plain found., Congress St., to Sorenson & Grosse, 708 Genessee Bank Bldg., Flint. Est. $150,000.

Ill., Chicago—BAKERY—Chicago Pie Co., 328 Paulina St., masonry contract 1 story, 120 x 130 ft., 2430-40 West Congress St., to W. Thompson, 1757 North Keeler Ave.; carpentry, to G. Wallentin, 1757 North Keeler Ave. Est. $40,000.

Ia., Sioux City — COLD STORAGE — Cudahy Packing Co., A. F. Mills, supt., 4 story, 54 x 146 ft., rein.-con., brick, at Stock Yards, also changing sewers and water lines, wrecking old buildings on site, to E. A. Whitney, 619 5th St. Est. $200,000. Noted Sept. 13.

Minn., Rochester — LAUNDRY — Kahler Corp., general contract 5 story, basement, 66 x 130 ft., rein.-con., brick, to G. Schwartz & Co., 1151½ South West 3rd St. Est. $150,000.

N. D., Fargo—FACTORY—Fargo Food Products Co., P. J. Martin, secy., 301 Front St., general contract 3 story, basement, 50 x 100 ft., with 25 x 25 ft. tower, brick, 8th St. and 5th Ave. N., to T. F. Powers & Co., 419 8th St. N. Est. $60,000.

Mo., Koch — POWER PLANT — Bd. P. Serv., City Hall, St. Louis, 1 story, basement, rein.-con., brick addition to power plant at Robert Koch Hospital, to Voepel Constr. Co., 1113 Sidney Ave., St. Louis, $11,770; 500 hp. boiler, stoker and breeching, to Combustion Eng. Corp., 5319 Shreve Ave., $37,550. Noted Aug. 23.

Mo., St. Louis—MATTRESS FACTORY—Sanitary Mattress Co., c/o J. Kerkowitz, 1016 North 10th St., 40 x 80 ft. and 76 x 125 ft., concrete, brick, 5147-51 Brown Ave., separate contracts.

Tex., Port Aransas—CEMENT PLANT—See "Proposed Work."

Calif., Huntington Park—SHOP—Byron-Jackson Pump Mfg. Co., 2150 East Slauson Ave., brick, steel addition, East Slauson Ave., to Hamm, Grant & Brunner, Inc., Ferguson Bldg., Los Angeles. Est. $55,000.

Calif., Los Angeles—PRODUCE, WAREHOUSE and OFFICE—Central Mfg. Dist. Corp., 1 story, 100 x 600 ft. timber produce building, and 2 story, 100 x 200 ft. concrete office and warehouse addition, to W. P. Neil Co., Inc., 4814 Loma Vista Ave.

Calif., San Francisco — FACTORY — Premier Bed & Spring Co., 5700 3rd St., 1 story, rein.-con. addition, 3rd and Bancroft Sts., to Industrial Constr. Co., 815 Bryant St., $60,000.

Calif., San Pedro — WAREHOUSE — Pacific Seaboard Fireproof Warehouse Corp., c/o Jones & Edwards, engrs., 5880 Maywood Ave., Maywood, 6 story, basement, 165 x 300 ft., steel, O'Farrell and Beacon Sts., to McRoy Constr. Co., Pacific Natl. Bank Bldg., Los Angeles.

Calif., West Sacramento—MILL—Capital Ryde Rice Mill, C. A. Morse, 310 California St., San Francisco, to E. L. Younger, Woodland, $200,000.

Ont., Galt—SILK MILLS—Riverside Silk Mills, 2 story, basement, 91 x 100 ft., brick, steel, Melville St., to J. S. Webster, Water St.; steel, to London Structural Steel Co., Burslem St., London. Est. $45,000.

Ont., Hamilton — FOUNDRY — International Harvester Co., 1 story, 75 x 120 ft., steel addition, Sherman Ave. N., to Humphrey Bros., 214 Wellington St. E., steel, to Hamilton Bridge Co., Hamilton. Est. $45,000.

Ont., Woodstock—FACTORY—LaFrance Plushes, Dundas St., 2 story, 80 x 175 ft., brick addition, to Dunker Bros., 58 Louisa St., Kitchener. Est. $100,000.

B. C., Victoria — COLD STORAGE — Victoria Cold Storage & Terminal Warehouse Co., 5 story, rein.-con., steel, Ogden Point, to Luney Bros. Ltd., Saywood Bldg., $400,000.

Buildings—Commercial

Proposed Work

N. H., Nashua — HOTEL—The Tavern, c/o J. H. Gile, 19 Main St., sketches by Hutchins & French, 11 Beacon St., Boston, altering and reconstructing hotel, 19 Main St. $150,000.

Mass., Boston — BANK and OFFICE — H. E. Winslow, 30 State St., plans by Parker, Thomas & Rice, 177 State St., 14 story, basement, 60 x 210 ft., rein.-con., steel, limestone, plain found., State and Exchange Sts. Est. exceeds $150,000.

Mass., Boston — DEPARTMENT STORE — William Filenes Sons Co., 426 Washington St., altering 4 story, basement, brick, plain found., Washington and Franklin Sts. $150,000 or more. Private plans.

Mass., Boston—HOSPITAL—City, G. E. White Fund, City Hall, sketches by Coolidge, Shepley, Bulfinch & Abbott, Archts., Ames Bldg., 2 story, basement, brick, health unit, Blue Hill Ave. and Savin St. $150,000.

Mass., Cambridge (br. Boston)—APARTMENT and OFFICE—Beck Hall Realty Co., c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, 10 story, basement, brick, stone, 1201 Massachusetts Ave. $2,000,000.

Mass., Fall River—LABOR TEMPLE—Fall River Unit T. M. Co., J. P. Reid, 20 Olneyville Sq., Providence, R. I., temple, Mulberry St. To exceeds $150,000. Engineer and architect not selected.

Mass., Lawrence — HOSPITOL — City, J. J. Deacy, chn. Bd. Health, soon takes bids (3 unit) 2 story, basement, brick, rein.-con., plain founds., south bank Merrimac River, west of Bway. To exceed $150,000. Ashton, Huntress & Alter, Essex St., archts. Noted Aug. 9.

Mass., Lowell — HOSPITAL — Middlesex Co. Comn., E. B. Barlow, Court House, tuberculosis hospital. $250,000. Engineer and architect not selected.

Mass., Monson—EMPLOYEES HOME—Commonwealth of Massachusetts, State Dpt. Mental Diseases, State House, Boston, soon takes bids 3 story, basement, 35 x 120 ft., and 35 x 35 ft. male employees home, rein.-con., brick, plain founds. $150,000 or more. G. Robb, 14 Beacon St., Boston, archt.

Mass., Swampscott — HOTEL — W. J. Snow, c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, soon takes bids 7 story, basement, 130 x 240 ft., rein.-con., brick, steel, plain found., Humphreys St. $700,000. Noted May 10.

N. Y., Astoria — APARTMENT — Yuban Realty Corp., 15 Court St., Brooklyn, plans by M. Rothstein, 186 Joralemon St., Brooklyn, 6 story, 59 x 164 ft., brick, timber, Newtown Ave. and Creston St. $325,000.

N. Y., Brooklyn—APARTMENT—J. Carner, 16 Court St., plans by M. Rothstein, 186 Joralemon St., 6 story, 87 x 100 ft.,

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Buildings—Commercial (Continued)

brick, timber, Nostrand Ave. and Farragut Rd. $185,000.

N. Y., Brooklyn — APARTMENT — Five Tennis Court Corp., M. Blecker, pres., 885 Flatbush Ave., plans by W. T. McCarthy, 159 Remsen Ave., 6 story, 110 x 158 ft., Tennis Court and 18th St. $500,000.

N. Y., Brooklyn—APARTMENT—Footwell Realty Corp., C. Fredman, pres., 26 Court St., plans by Cohn Bros., 361 Stone Ave., 6 story, 67 x 80 ft., brick, timber, 47th St. and 14th Ave. $150,000.

N. Y., Brooklyn—APARTMENTS—Redboro Realty Corp., F. F. Feit, in charge, 460 East 95th St., plans by P. L. Kieswetter, 16 Court St., ten 3 story, 22 x 80 ft., brick, timber, 19th St. and Avenue W. $200,000.

N. Y., Brooklyn—APARTMENT—Tawers Constr. Co., 7501 Ridge Blvd., M. A. Orlian, pres., plans by Prober & Blaufeux, 66 Court St., 6 story, 99 x 100 ft., 3rd Ave. and 81st St. $225,000.

N. Y., Brooklyn—BANK and OFFICE—Bank of Manhattan, 161-10 Jamaica Ave., Jamaica, 2 story, 48 x 105 ft., Manhattan and Milton Aves. $150,000. Private plans.

N. Y., Brooklyn—GARAGE and APARTMENT—S. Gilewitz, 494 East 96th St., plans by J. J. Cohan, 447 Rockaway Ave., 3 story, brick, timber. East 96th St. and Avenue B. $150,000.

N. Y., Brooklyn — STORE and THEATRE — Homack Constr. Co., A. W. Schwartz, 152 West 42nd St., plans by R. T. Short, 370 Macon St., 2 story, 84 x 202 ft., brick, steel, Voorhies Ave. and Sheepshead Bay Rd. $400,000.

N. Y., Flushing—APARTMENT—Setlin Realty Corp., 1482 Bway., New York, plans by S. H. Eccles, 76 Hoyt St., Astoria, 6 story, 85 x 115 ft., brick, timber, Franklin Ave. and Kissena Blvd. $180,000.

N. Y., Jamaica—BANK—Mechanics Bank, 159-17 Jamaica Ave., sketches by Holmes & Winslow, 153 East 38th St., New York, 2 story, bank, 159-17 Jamaica Ave.

N. Y., New York—APARTMENT—Adeline Building Co., D. Newhaus, pres., 541 East 171st St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, brick, steel, Andrews Ave. and 176th St. $250,000.

N. Y., New York—APARTMENT—Ashwood Realty Corp., S. Silver, pres., 215 West 75th St., plans by G. E. Pelham, 570 7th Ave., 16 story, brick, timber, 400 East 58th St. $1,150,000.

N. Y., New York—APARTMENT—Central Park Properties, Inc., 1351 Bway., A. E. Lefcourt, pres., 19 story, 200 x 202 ft., brick, steel, 153 West 58th St. $4,000,000. Private plans.

N. Y., New York — APARTMENTS — Grand Concourse Apartments, Inc., 332 East 149th St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 202 x 244 ft. $850,000, 6 story, 117 x 150 ft. $350,000, and 6 story, 82 x 161 ft. $300,000, all brick, timber, 196th St. and Valentine Ave.

N. Y., New York — APARTMENT — Guerlain Building Corp., N. Fink, pres., 20 Northern Ave., plans by G. G. Miller, 1482 Bway., 6 story, brick, timber, Guerlain St. and Taylor Ave. $200,000.

N. Y., New York—APARTMENT—Hudsoncliff Building Co., H. Kranichfeld, treas., 286 Audubon Ave., plans by G. A. Bagge & Son, 157 East 44th St., 6 story, 90 x 170 ft., brick, timber, 925 West 167th St. $400,000.

N. Y., New York—APARTMENT—Mariangelo Euscuolt, 29 West 182nd St., plans by P. Lubroth, 283 East Kingsbridge Rd., 6 story, 90 x 100 ft., brick, timber, Davidson Ave. and 182nd St. $200,000.

N. Y., New York — APARTMENT — Ninety-Eight Riverside Drive Corp., R. N. Silverman, pres., 2095 Bway., plans by G. F. Pelham, 570 7th Ave., 16 story, brick, steel, 99 Riverside Dr. $1,150,000.

N. Y., New York—APARTMENT—One Thousand Seven Hundred Fifty Van Buren Street Corp., M. Wurtzel, pres., 1315 Webster Ave., plans by S. Pelton, 55 West 42nd St., 6 story, brick, timber, Kingsbridge Rd. and 236th St. $250,000.

N. Y., New York — APARTMENT — Paulbro Realties, Inc., M. Heller, pres., 4197 Park Ave., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 82 x 100 ft., brick, timber, 211th St. and Wayne Ave. $200,000.

N. Y., New York—APARTMENT—Penrose Holding Corp., F. C. Ingolia, pres., 1001 Morris Ave., plans by E. R. Kane, 1044 East Tremont Ave., brick, timber, Fowler and Van Nest Aves. $290,000.

N. Y., New York—APARTMENT—Rayan Building Co., Inc., S. Derfner, pres., 1710 Montgomery Ave., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 75 x 193 ft., brick, timber, Lydig Ave. $380,000.

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N. Y., New York—APARTMENT—Rayan Building Corp., 1710 Montgomery St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 75 x 133 ft., brick, timber, Lydig Ave. near Wallace Ave. $300,000.

N. Y., New York—APARTMENT—Rujan Realty Corp., J. Janors, pres., 349 East 149th St., plans by D. M. Oltarsh, 36 West 44th St., 6 story, 90 x 150 ft., brick, timber, Fteley Ave. and 172nd St. $150,000.

N. Y., New York—APARTMENT—Three Hundred Thirty-Nine Central Park West, Inc., E. A. Levy, pres., 505 5th Ave., plans by Schwartz & Gross, 347 Madison Ave., 15 story, 25 x 170 ft., brick, steel, 337 Central Park West. $1,000,000.

N. Y., New York—APARTMENT—Warner Realty Corp., M. Goldstein, 1636 Nelson Ave., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 78 x 93 ft., brick, timber, Inwood Ave. and 172nd St. $150,000.

N. Y., New York—COURT and PRISON—Dpt. Correction, Municipal Bldg., bids in February or March, 5 story, brick, steel, 6th Ave. and 10th St., $600,000. B. W. Leviton, 100 East 42nd St., archt. Noted Sept. 29, 1927.

N. Y., New York—GARAGE and SERVICE STATIONS—Gil Kennedy Realty Corp., 39 Whitewood Ave., New Rochelle, plans by J. P. Boyland, 305 East Kingsbridge Rd., two 1 story, 90 x 100 ft., and 90 x 103 ft. brick, concrete, Jerome Ave. and 181st St. $200,000.

N. Y., New York—OFFICE, LOFT and STORAGE—M. P. B. Realty Corp., M. Barkin, pres., 64 West 48th St., plans by G. and E. Blum, 415 Lexington Ave., 16 story, 48 x 100 ft., 42 West 46th St. $250,000.

N. Y., New York—OFFICE—Seventy-One Bway. Corp., W. J. Filbert, pres., 71 Bway., plans by J. C. Westervelt 36 West 34th St., 21 to 22 story top addition, pent house, mezzanine. $200,000.

N. Y., New York—STORE and OFFICE—Two Hundred Seventy Bway. Corp., R. E. Boling, pres., 55 Bway., plans by E. H. Faile Co., 441 Lexington Ave., 28 story, 50 x 242 ft., brick, steel, 270 Bway. and 74-86 Chambers St. $2,500,000.

N. Y., Rhinebeck — HOTEL — Rogers Island, Inc., c/o Cohan & Goldman, 527 Atlantic Ave., Brooklyn, bids latter part October, hotel, Rogers Island. $500,000. W. A. Swasey, 1819 Bway., New York, archt.

N. Y., Yonkers — APARTMENT — Tunis Building Corp., c/o E. DeRosa, archt., 15 West 44th St., New York, brick, timber, Tuckahoe Rd. $600,000.

N. Y., Yonkers — CLUB — Mayflower Country Club, B. Rottenberg, in charge, 455 7th Ave., New York, sketches by C. C. Wendehack, 101 Park Ave., New York, club, Arthur and Woodlow Rds., Rossville. $200,000.

N. J., Atlantic City—APARTMENT—C. F. Wahl, 33 South Pennsylvania Ave., plans by V. B. Smith, Guarantee Trust Bldg., 6 story, basement, 130 x 150 ft., rein.-con., brick, steel, plain found., 19 South Pennsylvania Ave. $500,000.

N. J., Bloomfield — APARTMENT — Owner, c/o E. R. Coe, archt., 136 Washington St., Paterson, sketches 4 story, basement, brick, steel, plain found. $150,000.

N. J., Bradley Beach — APARTMENT — Wolfson Constr. Co., 85 2nd Ave., Long Branch, sketches by S. Cohen, 130 Branford Pl., Newark, 3 story, basement, 86 x 150 ft., brick, steel, plain found., 2nd Ave. $150,000.

N. J., Clifton—APARTMENT—J. Visalli, 556 Van Houten Ave., Passaic, sketches by J. De Rose, 199 Ellison St., Paterson, 4 story, basement, 90 x 100 ft., brick, steel, plain found., Union Ave. and Putnam Pl. $150,000.

N. J., Elizabeth—APARTMENT—Owner, c/o W. Clifford, Jr., archt., 293 Morris Ave., 3 story, basement, brick, 642 Adams St. $150,000.

N. J., Jersey City — APARTMENT — B. Clott, 129 Stevens Ave., 5 story, basement, brick, steel, plain found., 115-17 Fairview Ave. $150,000.

N. J., Jersey City — APARTMENTS — Greater New York Housing Corp., c/o Branleygran Co., 24 Journal Sq., fifty 3 story, basement, brick, Mallory, Roosevelt, Clendenny and Marcy Aves. $1,000,000.

N. J., Leonia (Ind. br. Hackensack) — APARTMENT — D. I. M. Corp., R. De Consoli, 59 Bergenline Ave., Guttenberg, 5 story, basement, brick, steel, Grand and Central Aves. $200,000. Engineer and architect not selected.

N. J., Newark — APARTMENT — Composite Constr. Co., c/o R. Bottelli, archt., 45 Branford Pl., sketches 5 story, basement, brick, steel, plain found., 720 Sanford St. $150,000. Steam heating.

N. J., Newark — APARTMENT and STORES—Tenro Development Co., Inc., c/o H. F. Clark, archt., 38 Clinton St., sketches 5 story, basement, 100 134 ft., brick, steel, 321 North Prospect St. $250,000. Steam heating.

N. J., Newark—STORES and OFFICE—G. Grossman, 176 Wegeman Parkway, Jersey City, 4 story, basement, brick, steel, plain found., Stuyvesant Ave. and Underwood St. $150,000. Steam heating.

N. J., Newark—WAREHOUSE—R. H. Macy & Co., Inc., J. Timkins, in charge, Bway. and 34th St., New York, sketches by R. D. Kohn, 56 West 45th St., New York, brick, steel, plain found., on site 350 x 350 ft., Frelinghuysen Ave. $200,000.

N. J., New Brunswick — OFFICE and WAREHOUSE—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, sketches by Pub. Serv. Production Co., 80 Park Pl., Newark, 2 story, basement, 90 x 158 ft., rein.-con., brick, plain found., Baldwin Ave. $300,000.

N. J., New Brunswick—WAREHOUSE, OFFICE and GARAGE—Standard Oil Development Co., Jersey Ave., 1 story, 60 x 80 ft. warehouse, and 1 story, 46 x 104 ft. office and garage, both concrete, hollow tile, paving, grading, railroad trestle, 4 truck steel loading platform, Jersey Ave. $150,000.

N. J., Orange—APARTMENT—J. Zingalli, Glen Ridge Ave., Montclair, rejected bids 4 story, basement, 90 x 132 ft., brick, steel, plain found., North Center and Washington Sts. $160,000. A. P. Nucciarone, 206 Central Ave., archt. Noted Sept. 13.

N. J., West New York—APARTMENT—N. Speranza & G. Betti, 147 Summit Ave., Cliffside, sketches 5 story, basement, brick, steel, plain found., 152-60 16th St. $150,000. Private plans. Noted Sept. 20.

N. J., Westwood—BANK and OFFICE—Westwood Trust Co., 32 Westwood Ave., 5 story, basement, brick, steel, plain found., on 50 x 100 ft. site, Bway. and Westwood Ave. $150,000. Engineer and architect not selected.

Pa., Altoona—HOSPITAL—Altoona Hospital, Inc. plans by Hunter & Caldwell, Central Trust Bldg., brick, steel addition, Howard Ave. $350,000.

Pa., Jenkintown — APARTMENTS — Owner, c/o J. Ethan Fieldstein, archt., Otis Bldg., Phila., two 3 story, basement, brick, steel, plain found. $150,000 each.

Pa., Phila.—APARTMENT—S. S. Eveland, Franklin Trust Bldg., bids in 6 weeks general contract 7 story, brick, steel, stone, concrete, 5950 Overbrook Ave. $1,500,000. E. A. Keeler, 420 Lexington Ave., engr., and L. V. Sweezey, 551 5th Ave., archt., both New York.

Pa., Phila.—OFFICE and GARAGE—Kal Wold Corp., Widener Bldg., plans by Ritter & Shay, Packard Bldg., 20 story, basement, 107 x 158 ft., rein.-con., brick, steel, plain found., 20th and Ludlow Sts.

Pa., Washington—WAREHOUSE—Hazel Atlas Glass Co. soon lets contract 2 story, brick, concrete, steel warehouse. $150,000. Private plans.

Md., Crisfield—HOTEL—Crisfield Hotel, c/o J. O. Blair, archt., 330 St. Paul St., rejected bids 6 story, basement, 90 x 150 ft., brick, steel, stone hotel.

Ga., Atlanta—HOTEL—Thrower Realty Co., Thrower Bldg., plans by S. D. Trowbridge, Forsyth Bldg., 11 story, basement, rein.-con., brick, steel, plain found., Mitchell and Forsyth Sts. $500,000.

Fla., Jacksonville—SALES and SERVICE—Kirby-Nolan Co., soon lets contract 3 story, basement, 104 x 125 ft., rein.-con., steel sales and service building.

Miss., Corinth—HOTEL and THEATRE—Corinth Chamber of Commerce, c/o M. T. Sharp, secy., sketches 5 story, basement, 100 x 110 ft., brick, stone, concrete, terra cotta. $275,000.

La., Monroe—MEDICAL ARTS—Syndicate, c/o W. S. Kendall, Monroe, sketches medical arts and hospital building.

La., Shreveport—APARTMENT—J. B. White, Dallas, Tex. and H. Atkins, City Bank Bldg., sketches 3 story, rein.-con., brick, terra cotta, Gladstone and Centenary Sts. $160,000.

Ky., Louisville — APARTMENT — D. K. Murphy & Bro., archt., Louisville Trust Bldg., soon let contract 9 story, basement, 60 x 135 ft., rein.-con., brick, steel, 2nd and York Sts., for W. H. Smith, St. Louis, Mo. $450,000.

Ky., Louisville—HOSPITAL—A. Loomis, archt., Todd Bldg., soon lets contract 4 story, basement, 37 x 90 ft., rein.-con., brick, steel, Floyd and Kentucky Sts., for Jewish Hospital Assn., Floyd and Kentucky Sts. $150,000. Noted Sept. 20.

Ky., Louisville—STORE and OFFICE—F. Levy & H. Greenstein, c/o Realty Enterprises, Inc., M. E. Taylor Bldg., sketches 4 story, basement, 76 x 204 ft., 4th St. $250,000. Engineer and architect not selected.

O., Akron—COMMISSION—E. H. Weiner Co. plans by Wilbur, Watson & Associates, 4614 Prospect Ave., Cleveland, 3 story, basement, 130 x 130 ft., rein.-con., brick. $300,000.

O., Cleveland — THEATRE, GARAGE, STORE and APARTMENT—A. E. Meade, c/o Yeager & Crothers, archts., 601 Swetland Bldg., sketches 2 story, concrete, brick, steel, Triskett and Berea Rds. $1,000,000.

Buildings—Commercial (Continued)

Ind., Logansport — THEATRE — **J. I. Barnes** sketches by W. G. Rammel, 60 x 165 ft., brick, steel theatre. $325,000.

Ind., Rushville—BANK—Rushville Bank, W. Stiers, cashier ,plans by McGuire & Shook, North Meridian St., Indianapolis, brick, steel. $150,000.

Mich., Battle Creek — WAREHOUSE — Nichols & Shepard Co., Marshall St. and Grand Trunk R.R., plans by A. Kahn, Marquette Bldg., Detroit, 2 story, part basement, 100 x 500 ft., rein.-con., brick, steel, plain found., Marshall St. $175,000.

Mich., Detroit — AUTO TESTING — Graham Paige Motors Corp., 8505 West Warren Ave., 2 story, 100 x 480 ft., rein.-con., brick, plain found., Lonyo Rd. $200,-000. Private plans.

Mich., Detroit—OFFICE TERMINAL—Detroit International Bridge Co., 1706 Dime Bank Bldg., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 2 story, basement, 45 x 175 ft., 1 story, 12 x 60 and 18 x 35 ft., rein.-con., brick, steel, plain found., 21st St. $175,000. McClintic Marshall Co., Oliver Bldg., Pittsburgh, Pa., engrs.

Mich., Detroit—STORE and OFFICE—Cunningham Drug Co., 1065 Woodward Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 4 and 6 story, 80 x 120 ft., rein.-con., brick, steel, plain found., Griswold St. $350,000.

Ill., Blue Island — CLUB — Lake Ann Country Club, 9100 South Western Ave., plans by E. A. Nitsche, 28 East Huron St., Chicago, 3 story, irregular shaped, brick, 131st St. and Highland Ave. $400,000.

Ill., Chicago—STORE—Mid-West Apparel Co., c/o Mundie & Jensen, archts., 39 South La Salle St., soon takes bids 6 story, basement, 45 x 120 ft., brick, steel, stone. $600,000.

Ill., Granite City — HOSPITAL — St. Elizabeth's Hospital revised plans by Klutho, Ranft & Klutho, Syndicate Trust Bldg., St. Louis, Mo., 4 story, basement, rein.-con., brick, stone addition Madison St. $350,000.

Ill., Mattoon—STORE and OFFICE—R. A. Lampkin, c/o Berger & Kelley, archts., Lincoln Bldg., Champaign, soon takes bids 6 story, basement, rein.-con., brick, stone, 17th and Charleston Sts. $175,000

Kan., Topeka — HOSPITAL — Security Benefit Home & Hospital, c/o J. M. Kirkpatrick, pres., plans by W. E. Glover, 514 Mulvane Bldg., 3 story, 30 x 40 ft. with two 40 x 100 ft. wings, and 30 x 30 ft. tower, 150 ft. high, all rein.-con., brick. $350,000.

Mo., St. Louis—APARTMENT—Koplar Co., c/o S. Koplar, 265 Union Blvd., soon takes bids 15 story, basement, 66 x 130 ft., rein.-con., brick, steel, stone, terra cotta, Lindell Blvd. near Euclid Ave. $750,000. L. O. Schopp, 114 North 7th St., archt.

Mo., St. Louis—COMMERCIAL—Mauran, Russell & Cromwell, archts., 1620 Chemical Bldg., soon let contract 5 story, basement, 25 x 127 ft., rein.-con., brick, terra cotta, 409 North Bway., for E. Riley, c/o F. R. Harris Realty Co., North 4th St. Noted Sept. 20.

Tex., Houston — EXCHANGE—Southern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., soon takes bids 4 story, 90 x 110 ft., rein.-con., brick top addition. I. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt. Noted Aug. 16.

Tex., Houston—HOTEL—Salvation Army, c/o W. A. Turner, 1219 Providence St., 4 story, 110 x 160 ft., brick, stone, rein.-con., Franklin Ave. $350,000. J. W. Murdock, 801 Kirby Bldg., archt.

Okla., Oklahoma City—APARTMENT—M. Corbin, 1414 West 36th St., plans by Hawk & Parr, Cotton Exch. Bldg., 10 story, basement, 147 x 200 ft., rein.-con., brick, plain found., 10th and Harvey Sts. $500,000.

Okla., Tulsa—HOSPITAL—Knights of Pythias, 703 South Main St., sketches 3 story, basement, 100 x 160 ft., brick, plain found. $180,000.

Okla., Tulsa—STORE—F. W. Dye, 1003 North Denver St., plans by F. W. Redlich, Stillwater, 3 story, basement, 120 x 160 ft., rein.-con., brick, plain found., 7th St. $200,000.

Wash., Everett — CITY HALL — City Comrs. plans by A. H. Albertson, Henry Bldg., Seattle, 3 story, basement, 120 x 150 ft., terra cotta, stone, Wetmore Ave. and Wall St. $225,000.

Wash., Seattle — HOSPITAL — Dawland Maternity Inn., Inc., c/o V. W. Voorhees, archt., Lloyd Bldg., soon lets contract 7 story basement hospital, Summit and University Sts. $300,000.

Ore., La Grande — COURT HOUSE — Union Co. plans by Tourtellotte & Hummel, Postal Bldg., Portland, new fireproof court house on old court house site. $150,000.

Ore., Portland — APARTMENT — Y. W. C. A., Y. M. C. A. Bldg., plans by Lawrence, Holford, Alyn & Bean, Chamber of Commerce Bldg., 9 story, basement, 100 x 100 ft., rein.-con., solid rock found., 14th and Main Sts. $300,000 or more.

Calif., Alameda—APARTMENT—C. L. Traver, 2315 Santa Clara Ave., 5 story, basement, Class "A," incl. basement garage, Hawthorne and Caroline Sts. $500,000. Engineer and architect not selected.

Calif., Bishop—HOTEL—Owner, c/o C. F. Whittlesey, archt., 618 South-Western Ave., Los Angeles, 2 story, 180 x 180 ft., rein.-con. $150,000.

Calif., Eureka—HOSPITAL—F. M. May, clk. Humboldt Co., revised plans by F. T. Georgeson, Eureka, hospital. $425,000. Noted Nov. 10, 1927.

Calif., Fresno — HOTEL — A. Mattei, Mattei Bldg., 4 story, basement, fireproof, Bway. and Fresno St. $150,000.

Calif., Los Angeles—APARTMENT—A. L. Gindling plans by Hiller & Sheet, archts. and engrs., 328 Story Bldg., 6 story, basement, 50 x 117 ft., stone, tile, 4649 Beverly Blvd. $200,000.

Calif., Los Angeles—CLUB—Pacific Electric Ry. Co., South Los Angeles St., sketches by J. and D. B. Parkinson, 808 Title Insurance Bldg., 5 story, basement, 50 x 150 ft., marble, tile, rein.-con., incl. ballroom, swimming pool, gymnasium, South Los Angeles St. $300,000.

Calif., Los Angeles — STORE and APARTMENT — W. B. Hess & Co., 426 Merchants Natl. Bank Bldg., sketches by L. Selden, 508 Byrne Bldg., 3 story, basement, 60 x 325 ft., brick, tile, Pasadena Ave. $200,000.

Calif., Los Angeles—STORE—P. & M. Department Store sketches by H. S. Johnson, 1122 Story Bldg., 2 story, 220 x 220 ft., stone, stucco, steel, Montebello Park on Whittier Blvd. $200,000.

Calif., Oakland—STORE and OFFICE—Woodward & Whitehead, Great Western Power Bldg., 2 or more story, rein.-con., terra cotta, Telegraph Ave. and 40th St. $150,000. Engineer and architect not selected.

Calif., Palo Alto—APARTMENT—Owner, c/o J. L. Stewart, archt., Claus Spreckles Bldg., San Francisco, sketches steel, concrete. $250,000.

Calif., San Francisco—APARTMENT—Owner, c/o J. L. Stewart, archt., Claus Spreckles Bldg., sketches 400 room, Vallejo St. $500,000.

Calif., San Francisco—APARTMENTS—Owner, c/a J. L. Stewart, archt., Spreckles Bldg., sketches 6 story, basement, steel concrete.

Calif., San Francisco—APARTMENTS—Ridgway Investment Co., c/o O. Monson, 251 Kearny St., plans by H. C. Baumann, 251 Kearny St., two 5 story, concrete, steel, Bway. near Octavia St. $500,000.

Calif., San Jose—APARTMENT—M. Atlas, Bank of San Jose Bldg., sketches by Wolfe & Higgins, Realty Bldg., 2 story, basement, stucco, incl. 28 x 40 ft. swimming pool. $150,000.

Calif., Santa Monica—APARTMENT—J. L. Crown, sketches by Meyer-Radon Bros., 6362 Hollywood Blvd., Los Angeles, 5 story, basement, 100 x 150 ft., brick, steel, stone, 2nd and Washington Sts. $150,000 or more.

Calif., South San Francisco — CIVIC CENTER — City plans by Edwards & Schary, 525 Market St., San Francisco, civic auditorium, swimming pool, children's playground, clubhouse. $200,000.

Ont., Riverside — HOTEL — Albert Abar & Son, Island View Hotel, plans by Dangerfield & Winter, Huron and Erie Bldg., Windsor, 6 story, basement, Riverside Dr. $650,000.

Bids Desired

Me., Old Orchard—HOTEL—Owner, c/o Pulsifer & Eye, Inc., archts., 163 Main St., Lewistown, taking bids 3 story, basement, irregular sized, brick, tile, plain found., Kinney Ave. $150,000.

Me., Portland—HOSPITAL—Maine General Hospital taking bids 3 story, basement, irregular sized, brick, plain found. $200,-000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, Mass., archts. Noted Aug. 9.

Mass., Boston — OFFICE — United Shoe Mchy. Co., S. W. Winslow, Jr., chn. building comn., 205 Lincoln St., bids about Oct. 15, 24 story, basement, 200 x 220 ft., brick, steel, limestone, 138-162 Federal St. To exceed $150,000. Parker, Thomas & Rice, 177 State St., archts. French & Hubbard, 210 South St., engrs. Noted Aug. 2.

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., East Milton (br. Boston) — STORE and GARAGE — See "Contracts Awarded."

Mass., Lynn—APARTMENT—H. Weinstein, 18 Whittier St., taking bids 3 story, basement, irregular sized, brick, plain found., Surfside Rd. and Washington St. $150,000. E. Earp, 333 Union St., archt.

Mass., Newton — FIRE ALARM and POLICE SIGNAL HEADQUARTERS — City, C. W. Randlett, chief Fire Dpt., taking bids 2 story, basement, brick, limestone, rein.-con., plain found., Willow and Centre Sts. $200,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Aug. 2.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—M. Winer, 65 Monroe Rd., taking bids 2 story, basement, 50 x 160 ft., brick, stone, 1428-1432 Hancock St. $150,-000. Private plans.

Mass., Roxbury (sta. Boston)—APARTMENTS—See "Contracts Awarded."

N. Y., New York — STORAGE and APARTMENTS — E. Roth, archt., 1440 Bway., taking bids two 10 story, brick, steel, one 213 East 73rd St., other 215 East 73rd St., for One Hundred Eighty Second Corp., W. Guthman, pres., 119 West 40th St., $400,000 each. Noted Sept. 13.

N. J., East Orange—BANK and OFFICE—Oct. 5, by Holmes & Winslow, archts., 153 East 38th St., New York, general contract 2 story, basement, brick, steel, North Arlington Ave., for East Orange Trust Co., 339 Main St. $150,000. Noted Nov. 10.

N. J., Newark — COURT HOUSE — Bd. Freeholders Essex Co., Court House, bids about Oct. 15, general contract altering 3 story, basement, brick, steel, plain found., Market and High Sts. $1,000,000. Guilbert & Betelle, 20 Branford St., archts. Noted June 14.

N. J., Newark — SHOWROOM and OFFICE — M. J. Nadel, archt., 32 Hill St., taking bids general contract altering and constructing 3 story, basement, 60 x 80 ft. addition, 390-98 Halsey St., for Lawrence Motor Car Co., 390 Halsey St. Est. $155,-000. Noted Sept. 20.

N. J., Paterson—GARAGE—P. Atkins, 411 East 41st St., and J. D. Lugosch, archt., 744 Bergenline Ave., Union City, taking bids general contract 1 story, basement, 154 x 200 ft., brick, steel, plain found., Park Ave. $150,000.

Pa., Connellsville—GARAGE and WAREHOUSE—See "Contracts Awarded."

Pa., Phila. — GARAGE — W. Freihofer, 20th and Indiana Sts., taking bids 2 story, basement, 100 x 203 ft., rein.-con., brick, steel, plain found., Grange and Conlyn Sts. $200,000. K. F. Otto, 1828 Arch St., archt.

Pa., Phila.—THEATRE and STORE—Oct. 8, by W. H. Lee, archt., Schoff Bldg., 2 story, basement, 107 x 195 ft., rein.-con., brick, steel, plain found., 3400 Frankford Ave., for Holmes Realty Co., c/o architect. $275,000.

Pa., Wilkes Barre—EXCHANGE—Oct. 5, by J. T. Windrim, archt., Commonwealth Bldg., Phila., 6 story, basement, 80 x 140 ft., rein.-con., brick, plain found., for Bell Telephone Co., 17th and Parkway Sts., Phila.

S. C., Columbia—AUDITORIUM—Dec. 1, by City Auditorium Bd., M. S. Whaley, chn., brick, hollow tile, steel, 4,000 seating capacity. $300,000. LaFaye & LaFaye, 1224 Sumter St., archts.

D. C., Wash.—HOSPITAL—Oct. 9, by H. C. McGuary, archt., 1601 12th St. N. W., addition to Casualty Hospital, Massachusetts Ave. between 7th and 8th Sts. N. E. $200,000.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. J., Newark — GARAGE — F. H. Koenigsberger, archt., 48 Walnut St., bids about Nov. 15, general contract 3 story, basement, 50 x 200 ft., rein.-con., brick, steel, plain found. $150,000. Noted Aug. 16.

O., Cincinnati — OFFICE — Oct. 10, by Garber & Woodward, archts., 4 West 7th St., 15 story, basement, rein.-con., brick, plain found., 4th and Main Sts., for Union Gas & Electric Co., 4th St. $1,500,000. Noted Aug. 9.

Ill., Chicago — APARTMENT — Arman Constr. Co., 10 South La Salle St., taking bids 8 story, basement, 50 x 135 ft., 6002 Winthrop Ave. $500,000. K. T. White & Co., 180 North Michigan Ave., archts.

Ill., Chicago — APARTMENT — H. L. Morse, archt., 155 North Clark St., taking bids 3 story, English basement, 150 x 152 ft., brick, stone, 4515-27 North Lincoln St., for G. Cubely, 4528 North Lincoln St. $500,000.

Ill., Chicago — OFFICE, GARAGE and STORE — Oct. 15, by A. S. Alschuler, Inc., 28 East Jackson Blvd., masonry and carpentry work 19 story, basement, 120 x 172 ft., brick, steel, Wabash Ave. and Harrison St., for H. W. Rubloff, 10 South La Salle St. Caissons for same awarded to Paschen Bros., 111 West Washington St. Noted July 19.

Ill., Highland Park — CLUB — R. E. Pingrey & Co., archt., 134 South La Salle St., Chicago, taking bids 2 story, irregular sized, brick, steel, Vine St., for Exmoor Country Club. $150,000.

Tex., Ft. Worth—HOTEL—E. T. Glasgow, archt., 915 1st Natl. Bank Bldg., bids

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Buildings—Commercial (Continued)

about Oct. 27, 8 story, basement, 75 x 90 ft., Main St., for Texas Building & Investment Co. $550,000. Noted Apr. 19.

Tex., Temple—CITY HALL—Oct. 9, by G. E. Byars, city mgr., city hall, $150,000. M. W. Scott, 412½ Franklin Ave., Waco, archt. Noted July 19.

Ore., Portland — APARTMENT — See "Contracts Awarded."

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

Bids Received

N. J., Asbury Park — THEATRE and CONVENTION HALL — Bd. City Comrs., City Hall, general contract brick theatre, convention hall amusement pier, Ocean Ave. between Sunset and 5th Aves., from Turner Constr. Co., 420 Lexington Ave., New York, N. Y., $1,387,000; plumbing, from John Weil Plumbing Co., 328 East 33rd St., New York, $62,000; heating and ventilating, from Burns Lane & Richardson Co., 301 Burnett St., New Brunswick, $113,626; electrical work, from J. L. Goodrich, 720 Lexington Ave., New York, $135,250. Noted Sept. 6.

Contracts Awarded

Mass., Boston—STORE and OFFICE—C. W. Rowell, 60 State St., 2 and 3 story, basement, 60 x 170 ft., brick, steel, plain found., to W. M. Evatt Co., 38 Chauncy St. Est. $150,000. Noted Sept. 13.

Mass., Brookline (br. Boston)—APARTMENT—Rosen & Levine, 333 Washington St., Boston, 4 story, basement, 85 x 100 ft., brick, stone, plain found., 1272 Beacon St., separate contracts. $160,000. Gay & Proctor, 248 Boylston St., Boston, archts.

Mass., East Milton (br. Boston)—STORE and GARAGE—M. Greenspan, 161 Devonshire St., Boston, 1 story, basement, irregular sized, brick, steel, stone, plain found., separate contracts. $150,000. Blackall, Clapp & Whittemore, 31 West St., Boston, archts.

Mass., Greenfield — THEATRE — G. B. Theatre Corp., N. E. Goldstein, 103 Bridge St., Springfield, 2 story, basement, 95 x 240 ft., brick, steel, plain found., to G. H. Reed, Montague City. Est. $150,000 or more. Noted Sept. 6.

Mass., Roxbury (sta. Boston)—APARTMENTS—Evergreen Realty Co., B. Dobkin, 125 Devon St., three 3 story, basement, brick, stone, plain founds., 238-242 Huntington Ave., separate contracts. $150,000 or more. Winebaum & Wexler, 73 Cornhill, Boston, archt.

Mass., South Boston (sta. Boston) — STORE and OFFICE—S. Ruggiero, 237 Dorchester St., Boston, 5 story, basement, brick, stone, plain found., to A. Valerio, 17 Shawnee Rd., Arlington. Est. $150,000. Former contract rescinded. Noted Sept. 20.

Mass., Winthrop (br. Boston) — HOSPITAL — Oct. 8 (extended date), by Community Hospital, Town of Winthrop, R. F. Whittier, chn. com., and Stevens & Lee, archts., 45 Newbury St., Boston, 4 story, basement, 40 x 180 ft., rein.-con., brick, plain found., Lincoln St. $175,000. Noted July 5.

N. Y., Brooklyn — APARTMENT — Andesp Building Corp., A. Desposito, pres., 2914 West 33rd St., 6 story, 80 x 86 ft., brick, timber, Ridge Blvd. and 92nd St., separate contracts. $300,000. S. L. Malkind, 93 Court St., archt.

N. Y., New York — DEPARTMENT STORE—R. H. Macy & Co., Inc., 34th St. and Bway., 19 story addition, 75,000 sq.ft. floor space, 34th and 35th Sts., to Marc Eidlitz & Son, Inc., 41 East 42nd St. Est. $700,000.

N. Y., New York — DEPARTMENT STORE — M. I. Stewart & Co., M. Liberman, pres., 5th Ave. and 37th St., 12 story, on 115 x 150 ft. site, 5th Ave. and East 56th St., to Cauldwell-Wingate, 101 Park Ave. Est. $800,000. Noted June 21.

N. Y., New York — MAUSOLEUM — N. Strauss, c/o R. H. Macy Co., Bway. and 34th St., mausoleum, Woodlawn Cemetery, Webster Ave., to Marc Eidlitz & Son, 41 East 42nd St. Est. $150,000.

N. Y., New York—STORE and OFFICE—Plaza Trust Co., A. Stewart, pres., 655 5th Ave., altering and constructing 8 story, 50 x 115 ft., brick, steel addition, to J. Stewart, 17 East 42nd St. Est. $250,000. Noted Sept. 13.

N. Y., Syracuse—HOSPITAL—Onondaga Charities Comn., 4 story, basement, 110 x 125 ft. hospital, at Onondaga Co. Home Grounds, to Jenks & Venton Constr. Co., 1612 Burnet Ave., $174,000. Noted Aug. 23.

N. J., Bayonne—DEPARTMENT STORE—United States Realty & Investment Co., 972 Broad St., Newark, general contract 3 story, basement, 50 x 150 ft., brick, steel, plain found., 21-23 West 22nd St., to Fatzler Co., 676 South 16th St., Newark. Est. $150,000. Sears, Roebuck Co., c/o W. E. Lehman, archt., 972 Broad St., Newark, lessee.

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N. J., Woodbury—APARTMENT—Syndicate, 3 story, basement, 115 x 290 ft., rein.-con., brick, steel, plain found., to A. H. Winters, 4 Latern Lane, Phila., Pa. Est. $500,000.

Pa., Connellsville—GARAGE and WAREHOUSE—West Penn Power Co., West Penn Bldg., Pittsburgh, 1 story, 100 x 250 ft. garage and warehouse, separate contracts. $150,000. Private plans.

Pa., Danville—TUBERCULOSIS COTTAGE—Danville State Hospital, 1 story, basement, 31 x 221 ft. tuberculosis cottage, to Berwick Lumber Co., Berwick $61,800, and 2 story, basement, 36 x 98 ft. help building, to T. B. Evans, Danville, $34,383, both brick, steel, plain found. Noted Aug. 30.

Pa., Phila.—POST HOME—Ritter & Shay Co., archts., Packard Bldg., 3 story, basement, 75 x 156 ft., brick, steel, plain found., High St., to N. W. Bryan, 10 South 18th St., for H. H. Houston Post of American Legion, J. H. Bromley, 1021 West Upsal St. Est. $175,000. Noted Apr. 12.

N. C., Burlington—BANK—Atlantic Bank & Trust Co., 9 story, basement, 35 x 75 ft., rein.-con., brick veneer, granite, steel, to J. R. Owen & Son, 1006 West Lee St., Greensboro. Est. $200,000. Noted Sept. 6. Electrical work, to Alamance Electrical Co., Burlington; plumbing, to Hunt Bros., 407 Walker Ave., Greensboro; heating, to W. W. Dick, 246 Bellemead St., Greensboro; elevators, to Otis Elevator Co., 322 South Daniel St., Greensboro.

La., Monroe—MEDICAL ARTS and HOSPITAL—Syndicate, c/o W. S. Kendall, Monroe, and J. B. Kendall, Ruston, 12 story, basement, 60 x 75 ft., rein.-con., brick, Harrison and Catalpa Sts., to Churchill-Humphrey Co., 207 Magnolia Bldg., Dallas, Tex., est. $550,000.

O., Cleveland — HOSPITAL — St. Lukes Hospital, C. S. Woods, supt., East 116th St. and Shaker Blvd., 3 story, basement, concrete, brick, steel addition, to Lundoff-Bicknell Co., B. F. Keith Bldg. Est. $750,000.

O., Cleveland—HOSPITAL, PAVILION, NURSES DORMITORY—Lakeside Hospital group of University Hospitals of Cleveland, M. Patten, 10940 Euclid Ave., 8 story, basement, 46 x 313 ft. and 55 x 144 ft. hospital, 6 story, basement, 222 x 272 ft. nurses dormitory, and 8 story, basement, 43 x 161 ft. private pavilion, to J. Gill & Sons, Bulkley Bldg., $5,650,000. Noted Aug. 2.

O., Warren — Y.W.C.A., 198 North Park Ave., 2 story, basement, 70 x 80 x 162 ft., concrete, brick, steel, to Hoyland & Frasso, 431 Leasure Ave., New Castle, Pa. Est. $150,000. Noted June 28.

Ind., Ft. Wayne—APARTMENT—Jackson-Wayne Co., 10 story, basement, rein.-con., brick, Jackson and Wayne Sts. Owner builds and sublets contracts. Est. $300,000.

Ind., Indianapolis — APARTMENT — Thirty-Eighth & Pennsylvania Realty Co., general contract 3 story, basement, brick, steel, to F. A. Throop, 217 Peoples Bank Bank Bldg.; heating and plumbing, to Hayes Bros., 236 West Vermont St.; electrical work, to J. Crump, 1714 Central St. Est. $300,000.

Ind., Jasper—TELEPHONE— Southern Telephone Co., general contract 2 story, basement, brick, steel, to E. Hemmerlein Jasper. Est. $150,000.

Ind., Kokomo — APARTMENT — Phillips & Walnut Realty Co., general contract 2 story, basement, brick, steel, Phillips and Walnut Sts., to F. Richards, 420 Castle Hall Bldg., Indianapolis. Est. $155,000.

Ind., Marion—THEATRE and STORE—C. Mote, 1109 Hume Mansur Bldg., general contract 2 story, basement, rein.-con., brick, to E. C. Strathman Co., 712 Meyer-Kiser Bldg., Indianapolis. Est. $250,000.

Ind., South Bend—OFFICE and BANK—Building & Loan Assn., general contract 12 story, basement, 48 x 66 x 150 ft., rein.-con., brick, 216-218 West Washington St., to H. G. Christman, South Bend. Est. $300,000.

Mich., Detroit — AUDITORIUM — Holy Name Church, Van Dyke and Nuenberg Aves., 2 story, basement, 80 x 140 ft., rein.-con., brick, steel, plain found., Nuenberg Ave., to Talbot & Meier, 6853 Michigan Ave. Est. $150,000.

Mich., Detroit — ENGINEERING — Graham Paige Motor Corp., 8505 West Warrren Ave., 2 story, basement, 60 x 300 ft., rein.-con., brick, plain found., Warren Ave., to M. J. Hoffman Constr. Co., West Warren Ave. Est. $150,000.

Mich., Detroit — OFFICE and SERVICE—Marmon-Detroit Co., 2927 Woodward Ave., 3 story, basement, 100 x 180 ft., rein.-con., brick, plain found., Cass Ave., to Otto Misch Co., 159 East Columbia St. Est. $300,000.

Ill., Chicago — APARTMENT — D. S. Klafter, archt., 64 West Randolph St., general contract 3 story, English basement, 50 x 164 ft., to G. H. Sylban, 3100 North California Ave. for M. Meyer, c/o architect. Est. $210,000. Noted Sept. 6.

Ill., Chicago—APARTMENT HOTEL—M. L. Bein, archt., 64 West Randolph St., masonry contract 15 story, 50 x 50 ft., brick, 1030-32 Dearborn St., to Ames Constr. Co., 1639 East 39th St., for Dearborn Building Corp., 6019 Winthrop Ave. Est. $250,000.

Ill., Chicago—APARTMENT and STORE—Koenigsberg & Weisfeld, archts., 155 North Clark St., masonry contract 8 story, basement, 68 x 150 ft., rein.-con., brick, to Erickson & Magnuson, 4753 Bway.; carpentry, to C. E. Erickson, 4753 Bway.; plumbing, to Noble & Thumn, 1065 Addison St.; steel and stairs, to Gaarsteel Safety Stair Co., 165 West Wacker Dr.; electrical work, to C. F. Reinke & Co., 836 North Central Ave., for M. Walter, 1060 Balmoral Ave. Est. $675,000. Noted June 7.

Ill., Chicago — HOTEL — Rissman & Hirschfield, archts., 222 North La Salle St., masonry contract 6 story, 40 x 220 ft., for E. J. Perlberg, 134 North La Salle St., to Gamm Constr. Co., 5 North La Salle St., plumbing, to Noble & Thumn, 1065 Addison St.; heating, to C. H. Ehrlich Co., 124 North Jefferson St. Noted Aug. 2.

Ill., Chicago — OFFICE, GARAGE and STORE — See "Bids Desired."

Ill., Chicago — WAREHOUSE — Central Steel & Wire Co., 4545 South Western Blvd., masonry and carpentry contract 1 story, 117 x 391 ft., brick, to H. B. Ryan Co., 506 North Dearborn St. $120,000. Noted Sept. 20.

Minn., Minneapolis—OFFICE and STORE—Biglow Building Co., c/o W. G. Hodgson, 649 Security Bldg., general contract 12 story, basement, rein.-con., brick, steel, stone, 4th St. and 2nd Ave. S., to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, Ill. Est. $1,000,000.

Minn., Rochester — APARTMENT and GARAGE — C. Litzenberg, c/o P. E. Crosier, archt., 916 New York Life Bldg., Minneapolis, general contract 4 and 6 story, basement, 78 x 153 ft., rein.-con., brick, 5th St. S. W., to Gruesner Constr. Co., c/o J. Gruesner, 4801 Lyndale Ave. S., Minneapolis. Est. $250,000.

Kan., Arkansas City — OFFICE — Company forming, c/o J. W. Ralston, pres., 5 story, basement, 80 x 140 ft., rein.-con., brick, West 5th St. between 1st and Summit Sts., to C. H. Siedhoff Constr. Co., Broadview Hotel Bldg., Wichita. Est. $400,000.

Neb., Omaha—OFFICE—G. W. Smith, Inc., G. W. Smith, pres., 280 Madison Ave., New York, general contract 7 story, basement, 132 x 132 ft., brick, stone, rein.-con. 1607-17 Farnum St., to Parson Constr. Co., Grain Exch. Bldg. Est. $500,000. Noted Sept. 13.

Mo., Kansas City — OFFICE — C. H. Getchell, 718 Bryant Bldg., 16 story, basement, 95 x 115 ft., rein.-con., terra cotta, 11th and Grand Sts., to Fridstein & Co., 1112 West Washington St., Chicago, Ill. Est. $1,500,000.

Mo., St. Louis—APARTMENT HOTEL—Owner, 15 story, basement, 73 x 150 ft., rein.-con., brick, stone, terra cotta, Delmar Blvd., to D. R. Harrison, 1106 Ambassador Bldg., on sub-contract basis.

Mo., St. Louis — STORE and APARTMENT—C. C. Ghio, et al., c/o Maurer, Ghio, Beffa Realty Co., 3540 Olive St., 3 story, basement, 60 x 120 ft., rein.-con., brick, 5311-17 Delmar Blvd., to A. B. M. & Paul Corrubia, 1373 Arcade Bldg. on sub-contract basis.

Tex., Austin — HOTEL — Driskell Hotel Co., C. M. Bartholomew, pres., 902 West Ave., 12 story, 80 x 106 ft., rein.-con., brick addition, to L. H. Lacy Co., 2632 Swiss Ave., Dallas, $265,600. Noted Aug. 23.

Tex., Dallas—STORE—J. G. McRory Co., 1107 Bway., New York, and W. M. Simpson, archt., New York, 3 story, basement, 50 x 150 ft., brick, to A. E. Rheimer, Builders Exch. Bldg., San Antonio, $180,000.

Tex., Dallas—SALES—H. D. McElroy, sales building, Harwood and McKinney Sts., to A. J. Rife, 614 Largent St., $152,000.

Okla., Durant—HOTEL—Swinney, Lee & Dryer, general contract 4 story, basement, 62 x 140 ft., rein.-con., brick, plain found., 2nd St., to Manhattan Constr. Co., Muskogee, $145,000. Est. $150,000.

Ore., Portland — APARTMENT — J. L. Essen, Western Bond & Mortgage Bldg., 6 story, basement, 100 x 100 ft., rein.-con., timber, solid rock found., Osage Ave. $250,000. Owner builds. C. Linde, Portland, archt.

Calif., Altadena—HOSPITAL—Sisters of St. Joseph, 4 story, basement, 250 bed capacity, to Barrett & Hilp, 918 Harrison St., San Francisco, $750,000.

Buildings—Commercial (Continued)

Calif., Burbank — STAGES, etc.—First National Studios, two 70 x 105 ft. sound proof stages, two 50 x 60 ft. monitor rooms, double timber walls, stucco exterior, to Scofield-Twaits Co., Pacific Finance Bldg., Los Angeles, $150,000. Noted Aug. 9.

Calif., Palo Alto—EXCHANGE—Pacific Telephone & Telegraph, 140 New Montgomery St., San Francisco, 2 story, basement, to Monson Bros., 475 6th St., San Francisco, $165,000. Noted July 5.

Calif., Pasadena—STUDIO—G. Langtree, 2 story, basement, 110 x 175 ft., brick, steel, rein.-con., Catalina and Green Sts., to F. C. Schallan, 644 North San Gabriel Blvd., San Gabriel, $150,000.

Calif., San Francisco—APARTMENT—L. B. Ham, 105 Montgomery St., 4 story, basement, rein.-con., 43rd Ave. and Pt. Lobos, day labor. $150,000. Private plans.

Calif., San Francisco—APARTMENT—J. Hawley, 3507 17th Ave., 5 story, basement, rein.-con., West Portal St. and 15th Ave., to K. E. Parker, 135 South Park St., $155,000.

Calif., Whittier — INSTITUTION — State Building Comn., Sacramento, general contract 4 buildings, incl. hospital, administration building, 2 cottages for boys, all rein.-con., stucco, to L. A. Geisler, 6212 South Middleton St., Huntington Park, $106,306. Plumbing and heating, to Jones Heating Co., 28 East Union St., Pasadena, $19,236; electrical work, to R. R. Jones, 1128 Mission St., Pasadena, $4,499.

B. C., Vancouver—GARAGE—B. C. Motor Transportation Ltd., 570 Dunsmuir St., 1 story, 168 x 599 ft., Cambie St. between 14th and 15th Aves., to Dominion Constr. Co. Ltd., 509 Richards St., $220,000.

Buildings—Educational, Religious

Proposed Work

Mass., Wellesley (br. Boston)—ADMINISTRATION—Wellesley College plans by Day & Klauder, Franklin Block Bldg., Phila., Pa., administration building, College Grounds. To exceed $150,000.

R. I., Providence—CONVENT—Franciscan Missionary of Mary, c/o J. F. Hogan, archt., Grosvenor Bldg., sketches convent, Bell St. Est. $150,000 or more.

Conn., Hartford—CHAPEL—Trinity College, R. B. Ogilby, pres., plans by Froham, Robb & Little, 140 Boylston St., Boston, chapel. $500,000. Noted Jan. 5.

Conn., New Britain—CHURCH—St. John the Evangelist Parish, c/o H. F. Ludorf, archt., 410 Asylum St., Hartford, church. $150,000 or more funds being raised for same.

N. Y., Broklyn—SCHOOLS—Bd. Educ., 500 Park Ave., New York, plans by W. C. Martin, Flatbush Ave. extension and Concord St., 4 story, 179 x 235 ft. school, 16th Ave., 42nd and 43rd Sts., $1,500,000; 4 story, 179 x 182 ft. school, Lenox Rd. and East 39th St., $535,000.

N. J., Maplewood (br. South Orange)—SCHOOL—St. Joseph's Church, 767 Prospect St., 2 story, basement, brick, steel, plain found., Prospect St. $150,000.

N. J., New Brunswick—SCHOOL—Bd. Educ., Livingston Ave., plans by A. Merchant, 52 Paterson Ave., 2 story, basement, brick, steel, plain found., 52-56 Bartlett St. $150,000. Noted Aug. 30.

N. J., Ridgefield Park—SCHOOL—Bd. Educ., High School, Ridgefield, 2 story, basement, brick, steel, plain found. $150,000.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Ave., plans by C. W. Wands, 309 Bloomfield Ave., Caldwell, 2 story, basement, brick, steel addition, plain found., Pleasant Valley Way. $150,000. Noted Sept. 13.

Pa., Harrisburg — EDUCATION — Dpt. Property & Supplies, c/o B. E. Taylor, secy., Capitol Bldg., sketches by Gehron & Ross, 101 Park Ave., New York, education building (4th unit) Capitol Park Extension. Approximately $5,000,000.

Pa., Scranton — HIGH SCHOOL — Bd. School Control, 425 Washington Ave., bids in early October, Technical High School, Adams Ave. and Gibson St. $500,000. Sprague & Slocum, 12 East 42nd St., New York, engrs. A. J. Ward, County Bank Bldg., archt.

Md., Violetville (mail Baltimore) — SCHOOL — Pub. Impvt. Comn., H. J. Leimbach, Municipal Office Bldg., plans by W. F. Stone, Munsey Bldg., Baltimore, and soon takes bids 1 story, stone school. $175,000. Kubitz & Koenig, Emerson Tower Bldg., Baltimore, engrs. Noted May 17.

D. C., Wash.—SCHOOL—District Comrs., District Bldg., rejected bids Sept. 19, general contract replacing Langdon School with new building. Noted Sept. 13.

N. C., Greensboro — HIGH SCHOOLS — City, Central High School on Scales property and Junior High School on Gillespie property, in South Greensboro. $750,000.

Ga., Atlanta — SCHOOLS — City, Bd. Educ., R. R. Ritchie, supt., 41 Walker St., rejected bids Goldsmith and Georgia Avenue Schools, and Commercial High School Addition. To exceed $150,000.

Ind., Warsaw—SCHOOL—School Comrs. Kosciusko Co., plans by E. H. Brown, 2 story, basement, brick, steel school. $150,000.

Mich., Ypsilanti — LIBRARY — Michigan State Normal plans by Bowd & Munson, 409 Wilson Bldg., Lansing, 2 story, basement, 85 x 140 ft., rein.-con., brick, stone, plain found., on campus. $200,000.

Ia., Council Bluffs — SCHOOL — Iowa School for Deaf, c/o State Bd. Educ., W. H. Gemmill, secy., Des Moines, sketches rein.-con., brick, stone addition. $350,000.

Minn., St. Paul — NURSES HOME — Northwestern Baptist Hospital Assn., A. M. Calbin, bus. mgr., Aldine St. and University Ave., plans by Toltz, Kind & Day, Builders Exch. Bldg., 4 story, basement, rein.-con., brick, stone, University Ave. and Aldine St. $150,000.

Mo., St. Louis—CHURCH—St. Michael and All Angels Episcopal Church, C. Block, pastor, 6300 Ellenwood Ave., soon lets contract 2 story, basement, 46 x 100 ft., rein.-con., red stone, brick, Ellenwood Ave. and Wydown Blvd. Taxis & Becker, 1201 Chemical Bldg., engrs. Klipstein & Rathman, 316 North 8th St., archts.

Tex., Waco — AUDITORIUM and CHAPEL — Baylor University plans by Lang & Witchell, American Exch. Bank Bldg., Dallas and soon takes bids auditorium and chapel. $350,000. Dallas & Spicer, Waco, assoc. archts.

Tex., Waco—DORMITORY—Baylor University, c/o S. P. Brooks, pres., plans by H. L. Spicer, Amicable Bldg., brick, stone, rein.-con., memorial dormitory for women. $350,000.

Okla., Stillwater—COLLEGE—State Bd. Affairs, Capitol Bldg., Oklahoma City, plans by Layton, Hicks & Forsythe, 906 Braniff Bldg., 3 story, basement, home economics building, $175,000; 1 story athletic fieldhouse, $156,000; 2 story, basement library, $350,000; 5 story, basement, class room building, $359,000, all brick, stone, plain foundations.

Calif., Claremont — AUDITORIUM — Pomona College, Pomona, plans by W. T. Johnson, archt., San Diego, steel, rein.-con., 2,500 or more seating capacity. To exceed $150,000.

Calif., Claremont—ADMINISTRATION—Pomona College, Pomona, plans by Hunt & Burns, Laughlin Bldg., Los Angeles, fireproof administration building. $250,000. Noted Mar. 1.

Calif., La Verne — CHURCH and SUNDAY SCHOOL—Church and Brethren plans by R. H. Orr, Corporation Bldg., Los Angeles, rein.-con., incl. auditorium, 1,250 seating capacity.

Calif., Los Angeles — SCHOOL — Bd. Educ. plans by E. C. and E. W. Taylor, 810 West 6th St., Home Gardens School. $160,000.

Calif., Oakland — SCHOOLS — Oakland School Dist. sketches by Blaine & Olsen, 1755 Bway., 3 story, concrete addition to Fruitvale-Allendale Jr. High School; 3 story, rein.-con., addition to Crocker Highlands School. $150,000 each.

Calif., San Francisco — SCHOOL — State Building Comn., Sacramento, plans by G. B. McDougal, state archt., Sacramento, rein.-con., stucco training school at State Teachers College. $180,000.

Bids Desired

Me., Portland—HOME—Jewish Home for Aged, M. Oranski, chn., taking bids 2 and 3 story, basement, brick, stone, plain found., North St. $150,000. H. W. Rhodes, 574 Congress St., archts.

Me., Portland—SCHOOL—City, Bd. Educ., taking bids 2 story, basement, 60 x 145 ft., brick, rein.-con., plain found., Kelseu St. $150,000. J. C. and J. H. Stevens, 477 Congress St., archts.

Me., South Portland (br. Portland) — SCHOOL—City, School Bd., taking new bids 2 story, basement, 60 x 145 ft., brick, stone, plain found., Kelsey St. $150,000. Former bids rejected. J. C. and J. H. Stevens, 477 Congress St., Portland, archts.

Mass., Chicopee — COLLEGE — Academy of Our Lady of Elms, T. O'Leary, bishop, taking bids 3 story, basement, brick, stone, plain found. $150,000 or more. J. W. Donahue, 1242 Main St., Springfield, archt. Noted Sept. 29, 1927.

Mass., Danvers—NURSES HOME—Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, taking bids 3 story, basement, brick, rein.-con., at State Hospital. $150,000. G. Robb, 14 Beacon St., Boston, archt. Noted Aug. 9.

Mass., Hyde Park (Ind. br. Boston) — CHURCH—St. Adelberts Roman Catholic Church, A. Syski, pastor, 1450 River St., taking bids altering and constructing 1 story, basement, 60 x 100 ft., brick, stone addition, plain found., 1446 River St. $150,000. L. Kopoznski, 100 Boylston St., Boston, archt.

Mass., Winchester — SCHOOL — Town, Superintendent Schools, 83 Church St., taking bids altering and constructing 2 story, basement, brick addition to Noonan School, Hemingway St. $150,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Noted Sept. 27.

N. Y., Brighton (Ind. sta. Rochester)—SCHOOL—Oct. 18, by Trustees Common School Dist. 6, at office L. Stern, archt., 1017 Commerce Bldg., Rochester, school, East Ave. south of Allen Creek. Noted Aug. 2.

N. Y., Brooklyn—LAW SCHOOL—St. Johns College, Lewis Ave. and Hart St., J. J. Cloonen, pres., taking bids 12 story, 86 x 100 ft., brick, steel, Schermerhorn St. and Boerum Pl. $750,000. J. F. Cook, 9 Clinton St., Newark, N. J., archt. Noted Aug. 30.

N. Y., New York—CHURCH and HOTEL —See "Contracts Awarded."

N. J., Hillside (br. Elizabeth)—SCHOOL—Oct. 16, by Bd. Educ., Central Grammar School, 143 Coe Ave., addition to Hillside Ave. School, 129 Hillside Ave., J. Wind, Jr., 1450 North Broad St., archt. Noted Aug. 30.

N. J., Newark—CHURCH and SUNDAY SCHOOL—F. Y. Parsons, archt., 1123 Bway., New York, taking bids general contract 2 story, basement, brick, plain found., Maple St. and Kear Ave., for Franklin Memorial Church, C. F. Ether, pastor, 107 Franklin St. $150,000. Noted Aug. 30.

Miss., Cleveland—SCHOOL—Oct. 11, by Delta State Teachers' College, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., 2 and 3 story, 36 x 174 ft. dormitory, 1 story, 120 x 122 ft. dining hall, 55 x 183 ft. auditorium and administration building, rein.-con., brick, terra cotta. $350,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted July 5.

Miss., Oxford—DORMITORIES—Oct. 11 (extended date), by University of Mississippi c/o Mississippi State Building Comn., Jackson, two 3 story, one 33 x 88 ft. other 40 x 109 ft., rein.-con., brick, stone, hollow tile. $430,000. F. P. Gates Co., Edwards Bldg., Jackson, archts. Noted Sept. 13.

Mich., Owosso — HIGH SCHOOL — Bd. Educ. taking bids and open same about Oct. 11, 3 story, basement, 225 x 240 ft., rein.-con., brick, steel, plain found. $450,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted Sept. 13.

Ill., Elmhurst—SCHOOL—Oct. 19, by Bd. Educ., 2 story, brick, 355 St. Charles Blvd. $350,000. J. C. Llewellyn & Co., 38 South Dearborn St., Chicago, archts. Noted Aug. 23.

Minn., Virginia — HIGH SCHOOL — Oct. 25, by Secretary Bd. Educ., for Junior High School, 3 story, basement, 107 x 247 ft., rein.-con., brick, tile, marble, 4th St. E. H. Berg, Virginia, engr. and archt.

Ark., North Little Rock (br. Little Rock) —HIGH SCHOOL—Oct. 22, by School Bd., c/o W. E. Philipps, secy., 4th and Willow Sts., 3 story, basement, and 2 story tower, rein.-con., brick, stone high school, incl. 52 rooms, auditorium, 2,000 seating capacity, 22nd and Maple Sts. $350,000. G. R. Mann, and Wagner & King, New Donaghey Bldg., Little Rock, archts.

Calif., Redwood City—HIGH SCHOOLS —Trustees Sequoia Union High School Dist., taking bids 2 story, rein.-con. high schools. $250,000. Former bids rejected. Noted Sept. 13.

Ont., Toronto—LIBRARY—Oct. 15, by W. T. J. Lee, chn. Toronto P. Library Bd., St. George and College Sts., library addition, College and St. George Sts. Wickson & Gregg, Temple Bldg. and Chapman & Oxley, Northern Ontario Bldg., assoc. archts. Noted Dec. 8, 1927.

Ont., Toronto — PATHOLOGICAL — Darling & Pearson, archts., Leader Lane, taking bids 6 story, basement, 120 x 190 ft., rein.-con., brick, stone, plain found., College St., for University of Toronto, Queens Park St. $750,000.

Contracts Awarded

Mass., Dorchester (sta. Boston) — SCHOOL—Dorchester & Mattapan Hebrew School, M. E. Schneider, 26 Pemberton Sq., 3 story, basement, 170 x 180 ft., brick, stone, plain found., day labor. To exceed $150,000. Noted Aug. 9.

Mass., Milton—SCHOOL—Town, superintendent schools, 2 story, basement, 15 room, brick, steel, Edgehill Rd., to J. W. Duff, Inc., 146 Summer St., Boston. Est. $200,000. Noted Aug. 30.

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Buildings—Educational, Religious (Cont.)

Mass., Roxbury (sta. Boston)—NURSES' HOME—Massachusetts Women's Hospital, 53 Parker Hill Ave., 3 story, basement, irregular sized, brick, stone, plain found., to J. Driscoll & Son, 94 Washington St., Brookline. Est. $150,000 or more. Noted Sept. 6.

N. Y., Amenia—SCHOOL—Bd. Educ., general contract 2 story, basement, brick, steel, plain found., to D. H. Swenson, Inc., 39 Market St., Poughkeepsie, $130,000. Noted Aug. 9. Plumbing, to R. & C. Miller & Co., Lakeville, Conn., $7,200; heating, to P. C. Doherty, 114 Main St., Poughkeepsie, $21,300; electrical work, to P. J. Kozlarek, Amenia, $4,350.

N. Y., Buffalo — SCHOOL — Bd. Educ., Genesee Bldg., School 80, 3 story, 160 x 225 ft., rein.-con., brick, Orleans and Winspear Sts., to C. P. Barnwell, 390 14th St., $345,000. Noted Aug. 2.

N. Y., New York—CHURCH and HOTEL—White-Stark Co. (contractors), 420 Lexington Ave., relet contract 23 story, church-hotel to Barr & Lane, 387 Madison Ave., for Corporation of Manhattan Congregational Church, 2162 Bway. Est. $2,000,000. Barr & Lane taking bids on separate contracts. Noted Mar. 29.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., general contract P. S. 187, to Wilaka Constr. Co., Sheridan Ave. and McClellan St., $524,000; plumbing, to J. E. Kahn, 224 West 20th St., $26,107; heating, to Pyro Heating Co., 1375 58th St., Brooklyn, $75,890. Grand total $625,997. Noted July 26.

N. Y., Winfield (mail Woodside) — SCHOOL — Bd. Educ., 500 Park Ave., New York, general contract P. S. 12, 72nd St., to G. F. Driscoll Co., 548 Union St., Brooklyn, $309,800; heating, to Astoria Heating Co., 41-51 70th St., Astoria, $52,400. Noted Aug. 30.

N. J., Boonton—SCHOOL—Bd. Educ., Town Hall, general contract 2 story, basement, brick, steel, plain found., Maple and Lathrop Aves., to E. Bozzi, 140 Mills St., Morristown, $164,000. Noted Sept. 6. Plumbing and heating, to R. P. Lister, 452 Bloomfield Ave., Verona, $16,000 and $22,623 respectively; electrical work, to C. P. Hansen, 230 New St., St. Belleville.

N. J., Oradell — HIGH SCHOOL — Bd. Educ., Pub. School, Kinderkamack Rd., general contract 3 story, basement, brick, steel, plain found., to Alberg Constr. Co., 3 Church St., Paterson, $239,061. Former contract not signed. Noted Sept. 27.

N. J., South River—HIGH SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, 48 x 178 ft., brick, steel addition, plain found., Thomas and George Sts., to J. Salaki, Fords. Est. $150,000. Noted Aug. 23.

Pa., Brownsville — NURSES HOME — Brownsville General Hospital, Brownsville and E. R. Johnson, archt., Uniontown, general contract 4 story, basement, brick, steel, 5th Ave., to Brownsville Constr. Co., Brownsville. Est. $150,000. Noted Aug. 23.

Pa., Scranton — CHAPEL — Venard Apostolic School, 1 and 2 story, basement, brick, Clarks Green, to Beilman & Sons, 220 Ash St. Est. $150,000 or more.

Del., Wilmington—HOME—Little Sisters of The Poor, 4 story, basement, 60 x 124 ft., home for aged, brick, steel, plain found., 4th and Grant Sts., to J. E. Healey & Son, 707 Taball St. Est. $160,000.

D. C., Wash.—SUNDAY SCHOOL—Calvary Baptist Church, 8th and H Sts. N.W., sunday school, 8th and H Sts. N.W., to Skinker & Garrett, 1416 F St. N.W.

W. Va., Wheeling—SCHOOL—Bd. Educ. addition to Madison School, incl. auditorium, gymnasium, Zane St., to Ward & Ward, Fairmount, $168,000.

Fla., Tallahassee—GYMNASIUM—State Bd. Control, 2 story, basement, rein.-con., brick, stone, on grounds Florida State College for Women, to J. L. Crouse & Co., Amer. Bank Bldg., Greensboro, N. C., $284,225. Noted Sept. 6.

La., New Orleans — SCHOOL — Orleans Parish School Bd., Charles J. Colton School, 3 story, rein.-con., brick, stone, incl. cafeteria, swimming pool, gymnasium, auditorium, St. Claude Ave., Mandeville, Spain and North Rampart Sts., to Caldwell Bros., 816 Howard Ave., $599,518. Noted Aug. 9.

Ind., Bourbon—SCHOOL—School Comrs., general contract 2 story, basement, 135 x 155 ft., brick, steel, to Merle P. Hodges, Warsaw. Est. $150,000.

Mich., Detroit—SCHOOLS—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., Grayling School, West Adeline Ave., to W. H. Mueller, 2111 Woodward Ave. $85,920, heating and plumbing, to Chernick Bros., 12830 Linwood Ave. $38,937; Newton School, Asbury Park Ave., and school, on Harrel and Camden Aves., to H. M. Martens Co., 2111 Woodward Ave. $105,579 and $113,695 respectively, heating and plumbing, to Freyn Bros., 6853 Michigan Ave. $39,837 and $40,648 respectively; Hamden School, Dexter Blvd., to G. C. Corrick Bros., 507 Owen Bldg. $60,887, heating and plumbing, to Drake Avery Co., 210 State St. $26,947, all foregoing 2 story, basement, rein.-con., brick, steel, plain founds. Grand total $512,450. Noted Sept. 6.

Ill., Jacksonville — LIBRARY and ADMINISTRATION—D. J. Hull, archt., 210 East Ohio St., Chicago, general contract 2 story, 90 x 100 ft., to Smirl & Gibson, 226 Prospect St., Jacksonville, for Illinois College. Est. $150,000. Noted Aug. 23.

Ill., Waukegan—CHURCH and RECTORY—J. W. McCarthy, archt., 139 North Clark St., Chicago, general contract 2 story, brick, stone, to W. J. Lynch Co., 844 Rush St., Chicago, for Catholic Bishop of Chicago, 740 Cass Ave. Est. $400,000. Noted Sept. 6.

Ill., Wilmette—CHURCH and SUNDAY SCHOOL—Granger & Bollenbacker, archts., 333 North Michigan Ave., Chicago, general contract 2 story, brick, stone, to J. B. French Co., 30 North Michigan Ave., Chicago, for Wilmette Methodist Episcopal Church, 1018 Lake Ave. Est. $400,000. Noted July 19.

Minn., Minneapolis — NURSES HOME — Fairview Hospital Assn., 2316 6th St. S., general contract 6 story, basement, rein.-con., brick, bedford stone, to S. M. Klarquists Sons, 750 Security Bldg. Est. $200,000. Noted Sept. 20.

Minn., St. Peter — DORMITORY — Gustavus Adolphus College, O. J. Johnson, pres., general contract 4 story, basement, 102 x 176 ft., rein.-con., brick, Kasota stone, to Eric Carlson, Mankato, $121,000. Noted Sept. 6.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., general contract 3 story, 87 x 226 ft., rein.-con., brick, stone, to Dunham Constr. Co., 101 La Salle Bldg., $234,900; heating and ventilating, to Peters-Eichler Heating Co., 156 Pine St., $37,935. Noted Aug. 30.

Tex., Houston — SCHOOLS — Houston Ind. School Dist., c/o H. L. Mills, 1600 Washington Ave., three 1 story, brick, rein.-con., stone schools, incl. classrooms, auditorium and cafeteria, one Hazard and Wilton Sts., one Forest Hill Dr., other Studewood Blvd. at 17th and 18th Aves., to C. W. Ennis, 3219½ Louisiana St., $208,000.

Ont., Brantford—SCHOOL—Bd. Educ., A. K. Bunnell, secy., general contract 2 story, basement, brick, steel, to Schultz Constr. Ltd., 45 Albion St., $120,180. Noted Aug. 23.

B. C., Point Grey — HIGH SCHOOL — Townley & Matheson, archts., 325 Homer St., Junior High School, 2 and 3 story, rein.-con., stucco, plain found., to Dominion Constr. Co. Ltd., 509 Richards St., Vancouver, $283,490; heating and ventilating apparatus, to McDowell, Mann & Latham, 1318 Granville St., Vancouver, $52,338.

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Federal Government Work

Proposed Work

D. C., Wash.—OFFICE—Treas. Dpt., at office Supervising Archt., sketches by Zantzinger, Borie & Medary, Otis Bldg., Phila., Pa., Dpt. Justice Office Building, Pennsylvania Ave., 7th and 9th Sts. N. W. J. A. Wetmore, acting superv. archt. Noted Aug. 2.

Fla., Lake City—ALTERATIONS—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids Aug. 28, altering Building 4, at U. S. Veterans Hospital. Noted Sept. 13.

Wyoming — ROAD — Bureau Pub. Rds., Custom House, Denver, Colo., bids early in 1929, grading 2.5 mi. Sect. 9-B, Artist Point Rd., Natl. Park Hy. Project, Yellowstone Natl. Park, J. W. Johnson, Denver, Colo., dist. engr.

Texas — DREDGING — U. S. Engineer Office, Galveston, rejected bids Aug. 15, dredging between Aransas Pass and Corpus Christi. This corrects report in Sept. 20 issue.

Colorado — ROAD — Bureau Pub. Rds., Custom House, Denver, bids early in 1929, grading 19.4 mi. Sect. 1-B, Trail Ridge-Fall River Pass, Natl. Park Hy. Project, Larimer Co. J. W. Johnson, Denver, dist. engr.

Bids Desired

N. J., Picatinny Arsenal (mail Dover)—ADMINISTRATION, etc.—Nov. 6, by Constructing Quartermaster, 38 buildings, incl. administration building, 13 buildings in Laboratory Area, 23 buildings in Melt Loading Area, 3 buildings in shop area; adv. E. N.-R. Oct. 4.

Pa., Pittsburgh — LOCKKEEPERS HOUSES — Oct. 25, by U. S. Engineers Office, constructing two 2 story, 7 room lockkeepers houses at Lock 6, Allegheny River; adv. E. N.-R. Oct. 4. Noted Aug 16.

D. C., Wash. — BRIDGE — Oct. 9 (extended date), at office Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., constructing Boundary Channel Bridge, Arlington Memorial Bridge Project. Noted Aug. 30.

D. C., Wash.—RADIO BUILDINGS—Oct. 11, by Division Supplies, Dpt. Commerce, 12 radio buildings.

D. C., Wash.—ROAD—Oct. 9, at office Constructing Quartermaster, Army Medical Center, constructing road, parking area, sidewalks, drainage system, sanitary sewer and water connections.

D. C., Wash.—TOWERS—Oct. 9, by Div. Supplies, Dpt. Commerce, one hundred 51 ft. steel towers.

D. C., Wash. — TENDER — Oct. 19, by U. S. Coast & Geodetic Survey, constructing steel surveying tender, 75 ft. long

Va., Norfolk—CONCRETE ROADS, etc.—Spec. 5665 and 5725—Oct. 10, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., concrete road, repairing chimneys at U. S. Veterans Hospital. Noted Sept. 20.

Ga., Columbus—WATER PIPING—Oct. 12, by Treas. Dpt., at office Supervising Archt., Wash., D. C., water piping, at U. S. Post Office. Noted Sept. 13.

Ky., Louisville—KITCHEN—Oct. 6, by Quartermaster Corps., Jeffersonville, Ind., brick kitchen addition, porch, altering superintendent's lodge at Cove Hill Natl. Cemetery.

Ky., Louisville—PIPING—Oct. 17, by Treas. Dpt. at office Supervising Archt., Wash., D. C., piping at U. S. Veterans Hospital.

Tenn., Memphis — RECREATION — Oct. 30, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., recreation building and covered passage incl. roads walks, curbs, grading at U. S. Veterans Hospital; adv. E. N.-R. Oct. 4.

Kan., Newton—REMODELING—Oct. 22, by Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office; adv. E. N.-R. Oct. 4.

Missouri and Nebraska — LIGHTING SYSTEM, etc. — Oct. 22, by Div. Supplies, Dpt. Commerce, electric airway beacons, intermediate landing field equipment, on St. Joseph-Omaha Sect. Kansas City-Omaha Airway.

Colo., Denver—GATES and HOISTS—Nov. 2, by Dpt. Interior, Bureau Reclamation, gates and hoists for Harper Diversion Dam, Vale Project, Ore. and gate hoists for headworks and other structures on main canal, Kittitas Div., Yakima Project, Wash.; adv. E. N.-R. Oct. 4.

Calif., San Diego—BOILER—Spec. 5483—Oct. 31, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., boiler and accessories, at Naval Operating Base, Air Station. Noted Sept. 20.

Territory of Hawaii—DREDGING—Dec. 1, by U. S. Engineer Office, Honolulu, 800,000 cu.yd. in Kahului, Hilo and Honolulu Harbors; adv. E. N.-R. Oct. 4.

Bids Received

N. Y., Niagara Falls—REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., Sept. 28, U. S. Custom House, from Devault & Deitrick, Massillon Rd., Canton, O., $58,400. Noted Sept. 13.

D. C., Wash.—FOUNDATIONS—Treas. Dpt., at office Supervising Archt., Wash., D. C., Sept. 25, foundations for Dpt. of Commerce Building, from Consolidated Eng. Co., 20 East Franklin St., Baltimore, Md., $1,159,700. Noted Aug. 30.

D. C., Wash.—COOLING POND—Supply Div., Bureau Standards, rein.-con. cooling pond, from Rust Eng. Co., District Natl. Bank Bldg. **(A)** $13,980 **(B)** $19,980. Noted Aug. 30.

Ga., Augusta — ROADS, etc. — U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., Sept. 25, roads, walks, at U. S. Veteran's Hospital, from Claussen-Lawrence Constr. Co., Augusta, $10,800 (10-30 days). Noted Sept. 13.

O., Chillicothe—GREENHOUSE, etc.—U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., Sept. 25, greenhouse, workroom at U. S. Veteran's Hospital, from Theriault Contg. Co., 534 East Johnson St., Phila., Pa., $20,988. Noted Aug. 30.

O., Wooster — EXTENSION and REMODELING — U. S. Engineer Office, extending, remodeling U. S. Post Office, from S. Plato, 608 West Walnut St., Louisville, Ky., $67,450. Noted Aug. 30.

Minn., Grand Marais — DWELLINGS, etc. — U. S. Coast Guard, constructing dwellings, boathouses, launchway at North Superior Coast Guard Station, from E. Nunstedt, Grand Marais. $27,992.

Federal Government Work (Continued)

Minn., Hastings—LOCK and DAM—U. S. Engineer Office, Arcade Bldg., St. Paul, Sept. 27, in Mississippi River, near here, from Fegles Constr. Co., 529 South 7th St., Minneapolis, $1,695,818. Noted Aug. 30.

Wash., Olympia—REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., Sept. 27, remodeling, enlarging U. S. Post Office, from Harry Boyer Son & Co., Yakima, $21,825. Noted Aug. 30.

Contracts Awarded

N. Y., Albany—DREDGING—U. S. Engineer Office, Army Bldg., 30 Whitehall St., New York, Hudson River, 8 mi. South of here, to United Dredging Co., 232 Bway., New York, $417,953. Noted Sept. 6.

Pa., Phila. — MOTOR GENERATORS — Treas. Dpt. at office Supervising Archt., Wash., D. C., for U. S. Mint, to J. F. Buchanan & Co., 1904 Sansom St., Phila., Pa., $24,362. Noted Sept. 27.

Md., Annapolis—BOILER HOUSE—Spec. 5635—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing boiler house at Naval Academy, to English Constr. Co., 1311 H St. N.W., $18,497 (180 days). Noted Sept. 13.

D. C., Wash.—PAVING—U. S. Pub. Buildings & Pub. Parks, Navy Bldg., concrete paving, walks, pool, at Meridian Hill Park, to C. H. Tompkins, 13th and Fairmont Sts. N. W., $75,800.

Ga., Augusta—GARAGE—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., addition at U. S. Veterans Hospital, to Claussen-Lawrence Co., 1394 Gwinnett St., $7,840. Noted Sept. 20.

Mich., Detroit—HOSPITAL—Treas. Dpt., at office Supervising Archt., Wash., D. C., constructing main building, garage at U. S. Marine Hospital, to Ring Constr. Co., 95 South 11th St., Minneapolis, Minn., $395,-380; mechanical equipment, to Pittelkow Heating & Eng. Co., 2340 West Lafayette Blvd., $132,990 (450 days). Noted Sept. 27.

Ill., Chicago—ROADS—Treas. Dpt., at office Supervising Archt., Wash., D. C., roadway, walks at U. S. Marine Hospital, to Chicago Foundation Co., 33 South Clark St., $23,000. Noted Aug. 23.

Arkansas — LEVEE — U. S. Engineer Office, Memphis, Tenn., Levee Dists. 1 and 2, in Little River, White Co., to J. D. Bartholmew, Memphis, Tenn., $17,276.

Tex., Corsicana—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., extending, remodeling U. S. Post Office, to W. D. Lovell, 1415 8th St. S. E., Minneapolis, Minn., $71,488 (300 days). Noted Sept. 27.

Colorado — ROAD — Bureau Pub. Rds., Denver, grading 4.425 mi. Tennessee Pass, Natl. Forest Hy., Lake Co., to Gardner Bros. & Glenn, Silt, $68,422.

Wash., Fort Lewis—BARRACKS—Constructing Quartermaster, barracks building, to Chrisman & Snyder, Seattle, $502,006. Noted Sept. 20.

Ore., Portland — ROCK WALLS, etc. — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rock walls, roads and drainage, to J. A. Lyons, 1001 Helsey St., $14,900.

Unclassified

Proposed Work

OFFAL RECEIVING PLATFORM — **Cambridge** (br. Boston), **Mass.**—City, J. J. Terry, supt. P. Buildings, City Hall, revised plans by Blackall, Clapp & Whittemore, 31 West St., Boston, concrete, timber offal receiving platform, New and Raymond Sts. $60,000. Former bids rejected. Noted Aug. 30.

PLATFORMS—**New York, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., railroad platforms on right-of-way 161st St. near Morris Ave. $45,000.

PARKS and PLAYGROUNDS—**Teaneck** (br. Hackensack) **N. J.** — Twp. Comn., Municipal Bldg., several parks and playgrounds. $100,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, engr.

GRAIN ELEVATOR—**McPherson, Kan.**—Wall-Rogalsky Elevator Co. plans by Homer & Wyatt, archts. and engrs., 468 Board Trade Bldg., Kansas City, Mo., 150,000 bu. grain storage elevator, rein.-con. $40,000.

AIRPORT—**Lincoln, Neb.**—City, c/o T. H. Berg, clk., soon takes bids 80 x 100 ft. hangar, 18 ft. high, with 76 ft. opening. $100,000. Grading awarded, to J. W. McGerr, 2535 Washington Ave. D. L. Erickson, City Hall, engr.

GARBAGE DOCKS—**St. Louis, Mo.**—Bd. P. Supervs., City Hall, preliminary plans 2 garbage unloading docks, rein.-con., one at wharf and Merermac St., other wharf and Clinton St. $130,000. W. W. Horner, City Hall, engr.

UNDERPASS — **Houston, Tex.** — City rein.-con. underpass, Houston Ave. $200,-000. J. C. McVea, city engr.

GAS SYSTEM — **Bessie, Okla.** — Taylor-Easterling Co., Kennedy Bldg., Tulsa, preliminary plans natural gas system. $25,-000. Private plans.

GAS SYSTEM—**Canton, Okla.**—Mid-West Gas Co., 302 South Cheyenne St., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

NATURAL GAS SYSTEM—**Gould, Okla.**—Mid West Gas Co., 302 South Cheyenne Ave., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

NATURAL GAS SYSTEM — **Longdale, Okla.**—Midwest Gas Co., 302 South Cheyenne St., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

DIESEL ENGINE and GENERATOR—**Marlow, Okla.**—Preliminary plans 600 hp. diesel engine and generator unit for city power plant. $25,000. L. A. Pritchett, Marlow, engr.

NATURAL GAS SYSTEM — **Thomas, Okla.**—Midwest Gas Co., 302 South Cheyenne St., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

EXPOSITION, SWIMMING POOL and ANIMAL SHEDS, etc. — **Pueblo, Colo.** — Colorado State Fair Comn., c/o J. J. Clark, 1st Natl. Bank Bldg., plans by W. DeMordaunt, 738 1st Natl. Bank Bldg., fair exposition building, swimming pool and animal sheds, $300,000; concrete, steel grandstand, 10,000 seating capacity, $250,000.

ORNAMENTAL ELECTROLIER SYSTEM—**Fresno, Calif.**—Ornamental electrolier system on Fulton St. between Ventura Ave. and Calaveras St. $75,000. A. M. Jensen, city engr.

SWIMMING POOL, ETC. — **San Diego, Calif.**—G. W. Peck, 1st Natl. Bldg., plans by F. Hope, Jr., Spreckles Bldg., 75 x 165 ft. swimming pool, bath house, gymnasium, incl. heating, filtering and pumping plants, Kettner Blvd. between Date and Fir Sts. $75,000.

TRAINING CAMP — **San Luis Obispo, Calif.**—State of California and Federal Government, c/o Adjutant General, Sacramento, plans by G. B. McDougal, state archt., Sacramento, 15 mess halls, 1 truck storage building, extending water, sewer and electric lines, at National Guard Training Camp. $57,167.

Bids Desired

PALM HOUSE—**Brooklyn, N. Y.**—Oct. 9, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, repairing and altering existing palm house at Prospect Park.

SUBWAY—**Brooklyn, N. Y.**—Oct. 9, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5-A, Route 109, Rapid Transit R.R.

RETAINING WALL—**Long Island City, N. Y.**—Oct. 9, by Park Bd., W. R. Herrick, pres. Park Bd., Arsenal Bldg., New York, concrete retaining wall in Rainey Park, Queens Boro.

STATION FINISH—**New York, N. Y.**—Oct. 19, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish work for 50th, 59th St.—Columbus Circle, and 72nd St. Stations of Rapid Transit R.R.

SUBWAY—**New York, N. Y.**—Oct. 16, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Sect. 4, Route 106, Rapid Transit R.R., along and under Grand Blvd. and Concourse from point near East 175th to East 183rd Sts.

FILTER EQUIPMENT — **Rye, N. Y.** — Oct. 17, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, recirculating, filtering, sterilizing equipment plant, for salt or fresh water, in connection with swimming pool, Rye Beach Amusement Park, J. Downer, ch. engr.; adv. E. N.-R. Oct. 4.

TEST HOLES—**Indiana**—See "Bridges."

PLAYGROUND—**Indianapolis, Ind.**—Oct. 19, by C. M. Dawson, trustee Washington School Twp., 42nd St. State Bank Bldg., crushed stone playground at John Strange School, East 62nd St.

GAS MAINS — **Illinois** — See "Contracts Awarded."

LIGHTING SYSTEM—**Los Angeles, Calif.**—Oct. 8, by Supervs. Los Angeles Co. ornamental lighting system on Santa Monica Blvd. between Doheny Dr. and Croft Ave. $35,000.

WHARF—**Halifax, N. S.**—Oct. 10, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., reconstructing Wharf 5, and crane found. of Wharf 4.

See proposal advertising on page 140

Contracts Awarded

AIRPORT—**Boston, Mass.**—City, Park Dpt., 1 Beacon St., excavating, grading, surfacing, in connection with East Boston Airport, to Coleman Bros., 245 State St., $81,390. Noted Sept. 6.

COMFORT STATIONS — **New York** — Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, 2 comfort station buildings, on Hutchinson River Parkway, Eastchester and White Plains, to Garafano Constr. Co., 1st Natl. Bank Bldg., Mount Vernon, $20,957 and $10,487. Noted Sept. 6.

ROADS, WALKS, etc.—**New York, N. Y.**—Bd. Trustees Bellevue & Allied Hospitals, C. A. Perilli, acting pres., 415 East 26th St., roads, walks, railing grates, on grounds Bellevue Hospital, to M. C. Selig, Co., 44 Court St., Brooklyn, $59,706. Noted Sept. 6.

SPECIAL WORK—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work for Rapid Transit R.R., Order 45, to Bethlehem Steel Co., 25 Bway., New York, $46,890. This corrects report in Sept. 20 issue.

SWIMMING POOL—**Montclair, N. J.**—Y.M.C.A., 25 Park Ave., 3 story, 38 x 60 ft., brick, stucco swimming pool, locker, to Adams Faber Co., Loraine Ave. Est. $50,-000. Noted May 31.

FIELD HOUSE—**Marietta, O.**—Marietta College, for Ban Johnson Field House, 2 story, brick, concrete, to Foreman & Putnam, Marietta. Est. $180,000.

LIGHTING SYSTEM—**Detroit, Mich.**—Pub. Lighting Comn., 174 East Atwater St., special conduits, outlets in Griswold St. and Woodward Ave., to R. A. Mercier, 5435 Wesson Ave., $61,798.

GAS MAINS—**Illinois**—Illinois Power & Light Corp., Illinois Merchants Bank Bldg., Chicago, 50 mi. gas main extension connecting present mains at Edwardsville, Carlinsville, Mt. Olive, Litchfield, Staunton and Hillsboro, all in Macoupin and Montgomery Counties, own forces. $250,000.

AIRPLANE HANGAR—**Chicago, Ill.**—Gray Goose Airplane Co., Hearst Bldg., masonry contract 1 story, 110 x 170 ft., brick, to A. A. Low, 510 North Dearborn St. Est. $50,000.

STREET LIGHTING SYSTEM—**Madison, Wis.**—See "Streets and Roads."

CULVERTS — **Nebraska** — See "Streets and Roads."

Materials

Bids Desired

FUEL OIL—**Boston, Mass.**—Oct. 9, by Supply Dpt., light and heavy fuel oil to various city departments as required. H. S. Frost, supt.

WOOD PAVING BLOCKS — **Boston, Mass.**—Oct. 10, by Supply Dpt., wood paving blocks to Paving Dpt. as required. $5,000. H. S. Frost, supt.

LUMBER, etc.—**Staten Island, N. Y.**—Lansdale Constr. Corp., 104 West 42nd St., New York, in market lumber brick, cement, cement block, boilers, roofing tile.

CREOSOTED TIES—**Phila., Pa.**—Oct. 10, by Dpt. City Transit, C. E. Myers, dir., City Hall Annex, 468,200 ft. creosoted ties (southern long leaf yellow pine timber), for Broad Street Subway, Contr. 210.

Bids Received

ASPHALTIC MACADAM BINDER—**St. George, N. Y.**—J. A. Lynch, pres. Richmond Boro, Boro Hall, Sept. 26, 20,000 gal. asphaltic macadam binder, from Standard Oil Co., 26 Bway., New York, $2,154; 600 tons bituminous concrete in Dists. 1, 2 and 3, from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $9,744. Noted Sept. 29.

WATER PIPE—**Chicago, Ill.**—City, City Hall, Sept. 24, 2,120 tons 6- to 12-in. c.i. water pipe at various pipe yards from Glamorgan Pipe & Fdry. Co., 122 South Michigan Ave., at $43 per ton. Noted Sept. 20.

Contracts Awarded

ASPHALT SAND—**Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 10,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., $10,000; 4,500 cu.yd. 1½ in. course aggregate, to Colgan Contg. Co., 90 William St., New York, $6,840. Noted Aug. 30.

STONE — **Detroit, Mich.** — Dpt. Parks & Blvds., Marquette Bldg., 7,500 to 10,000 tons man-size stone for water front improvements, Detroit River, to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., at $2.25 per ton.

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UNIT PRICES

Unit Price Lists Published in September, 1928

Bridge	Bridgewater, Vt.	Sept. 6
Bridge	Delaware	Sept. 6
Bridge	Akron, Ohio	Sept. 20
Bridge	Brenham, Tex.	Sept. 27
Dam	Youngstown, Ohio	Sept. 13
Dock Wall	Albany, N. Y.	Sept. 27
Highway	Arizona	Sept. 27
Sewage Treatment Works	Chicago, Ill.	Sept. 13
Straightening River	Chicago, Ill.	Sept. 20
Water Supply	Springfield, Mass.	Sept. 6

Sewers—Seattle, Wash.

Board of Public Works opened bids Aug. 3, sewers in 48th Ave., South, et al. Bidders are: (A) F. Arcorace, 8423 48th Ave., S.; (B) McLellan & McLellan, Dexter Horton Bldg.; (C) McHugh & Coluccio; (D) T. Scalzo; (E) F. W. Badolato. W. D. Barkhuff, engineer.

	A	B	C	D	E
6,225 lin.ft. 8 in. pipe	$1.65	$1.45	$1.60	$1.60	$1.65
1,400 lin.ft. 10-in. pipe	1.75	1.60	1.75	1.70	1.70
365 lin.ft. 12-in. pipe	1.80	1.80	1.90	1.80	2.00
345 lin.ft. 15-in. pipe	2.35	2.45	2.00	2.25	2.70
1,050 lin.ft. 6-in. side sewer	.95	1.40	1.20	1.20	1.35
50 lin.ft. 6-in. stand conn.	.75	3.00	1.20	1.50	2.50
60 lin.ft. 6-in. sewer	.80	1.50	1.00	.90	2.00
33 manholes	100.00	100.00	100.00	110.00	100.00
1 overflow manhole	175.00	300.00	125.00	250.00	200.00
25 catch basins	100.00	100.00	100.00	90.00	100.00
13 catch basins	125.00	125.00	120.00	125.00	130.00
1 catch basin	120.00	110.00	100.00	100.00	120.00
1 sand box	80.00	100.00	70.00	70.00	100.00
5 cu.yd. conc. block	1.00	8.00	8.00	8.00	5.00
10 cu.yd. extra excav.	.50	3.00	1.50	2.00	1.00
10 cu.yd. gravel	1.50	5.00	3.00	3.00	2.50
2 cu.yd. rock pocket	4.00	5.00	3.00	3.00	5.00
400 cu.yd. rock excav.	.25	3.00	2.75	5.00	.05
Totals	$27,710	$28,249	$28,524	$29,688	$48,480

Engineering News-Record, Issue of October 4, 1928

Paving—Woodward, Okla.

City opened bids Aug. 20 paving in Street Improvement Dist. No. 7, 9th St., from (A) Fisher Construction Co., Woodward, (awarded contract); (B) Asplund Construction Co., Tecumseh, Neb.; (C) Highway Construction Co., Tulsa. Black & Veatch, 700 Mutual Bldg., Kansas City, engineers.

	A	B	C
4,000 cu.yd. earth excav.	$0.75	$0.80	$0.90
4,000 cu.yd. earth borrow	.75	.80	.90
11,200 sq.yd. fine grading	.10	.15	.13
11,200 cu.yd. overhaul	.05	.10	.10
Brick crosswalks removed, sq.ft.	.07	.10	.08
3,000 sq.ft. concrete crosswalks removed	.07	.10	.08
270 lin.ft. old curb removed	.10	.12	.14
11,200 sq.yd. 6 in. conc. pavement	2.35	2.33	2.38
2,812 lin.ft. 6 x 18 in. straight curb	.70	.75	.76
2,312 lin.ft. 6 x 20 in. straight curb	.70	.78	.80
650 lin.ft. 6 x 12 in. conc. headers	.40	.60	.65
85 ¾ in. corporation cocks	3.20	3.50	3.75
16 1 in. corporation cocks	5.00	5.00	6.00
85 ¾ in. curb cocks and boxes	5.00	5.00	5.50
4 2 in. curb cocks and boxes	25.00	27.50	25.00
1,200 lin.ft. ¾ in. lead pipe	.60	.85	.90
1,200 lin.ft. 1 in. lead pipe	.80	1.10	1.15
1,200 lin.ft. 2 in. lead pipe	1.60	1.65	1.60
4 branch conn. lead fl.	20.00	20.00	22.50
30 lin.ft. 30 in. vitr. conc. pipe	4.50	5.00	5.50
30 lin.ft. 33 in. vitr. conc. pipe	5.00	6.00	6.25
Totals	$34,232	$35,514	$36,312

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Waterway—Illinois

Department of Purchase & Construction, Division of Waterways, Springfield, opened bids Aug. 6, Contr. No. 10, miter lock and taintor gates for waterway construction, from (A) Independent Bridge Co., Box 1920, Pittsburgh, Pa., (awarded contract); (B) Duffin Iron Co., Chicago. William F. Mulvihill, supervisor. L. D. Cornish, chief engineer.

	A	B
1 cofferdam, pump and drain, (lump sum)	$15,000.00	$75,000.00
25 M. ft. B.M. pine and fir timber	150.00	160.00
155 M. ft. B.M. white oak timber	175.00	220.00
385 M. ft. B.M. creosoting lumber	66.00	160.00
314 cu.yd. conc.	25.00	50.00
24 cu.yd. sand	5.00	5.00
5,450,000 lb. structural steel	.11 85-100	.12
352,000 lb. steel castings	.35	.30
54,000 lb. gray iron castings	.35	.25
127,500 lb. steel forgings	.35	.35
43,500 lb. special steel forgings	.35	.30
27,000 lb. forged monel metal	.90	1.00
3,800 lb. spring steel	.15	.25
2,700 lb. cold rolled steel shafting	.15	.20
5,300 lb. lead alloy	.15	.12
27,000 lb. metal reinforcement	.05	.06
3,700 lb. bronze	.70	.75
900 lb. babbitt	.70	1.00
1,000 lb. galv. wt. st. pipe and fittings	.14	.40
58,000 lb. galv. wt. iron pipe and fittings	.15	.40
8 lock valves	3,000.00	3,000.00
6 flood sluice gates	3,000.00	2,600.00
1 30 in. sluice gate	600.00	850.00
1 24 in. sluice gate	520.00	800.00
10 12 in. sluice gates	150.00	300.00
1 6 in. flap valve	50.00	20.00
2 24 in. gate valves	500.00	700.00
1 6 in. gate valve	75.00	40.00
3 3 in. gate valves or cocks	15.00	18.00
3 2½ in. gate valves or cocks	10.00	18.00
2 2 in. gate valves or cocks	10.00	15.00
18 1½ in. gate valves or cocks	8.00	8.00
172 1 in. gate valves or cocks	7.00	8.00
90 ¾ in. monel metal ball ch. valve	5.00	6.00
9 ¾ in. steam and jet syphons	15.00	5.00
72 lin.ft. ¾ in. flexible metal hose	2.00	.30
39,000 lb. electric cables	.40	.40
35 electric cable hangers	2.00	4.00
322 electric cable racks	2.00	3.50
1,260 electric cable hooks	1.00	.75
150 electric cable supports	4.00	6.00
1,000 lb. galv. metal work, for which contract price does not include galv.	.05	.04
Totals	$990,535	$1,059,593
Deduct for 806,000 lb. metal work, furnished, fabricated and delivered, but not erected	20,150	32,240
	$970,385	$1,027,353

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Sewers—Fayetteville, N. C.

City opened bids Aug. 14 installing sewers, from (A) Porter Construction Co., Charlotte, (awarded contract); (B) McClelland Co., Charlotte; (C) Stowell Construction Co., Durham; (D) Cochran & Ross, Charlotte; (E) E. C. Derby, Fayetteville; (F) V. B. Higgins Co., Charlotte. Thomas D. Rose, 301 Huske Bldg., engineer.

Vitrified Pipe, 8 in. Depth	A	B	C	D	E	F
1,520 ft., 0- 6 ft.	$0.71	$0.58	$0.58	$0.54	$0.75	$0.75
3,903 ft., 6- 8 ft.	.86	.68	.68	.74	.95	1.00
3,606 ft., 8-10 ft.	1.01	.88	.85	1.07	1.18	1.75
2,400 ft., 10-12 ft.	1.26	1.18	1.10	1.41	2.00	2.90
2,540 ft., 12-14 ft.	1.50	2.05	1.65	2.15	2.85	3.50
2,205 ft., 14-16 ft.	2.01	3.05	3.20	2.92	3.35	5.00
780 ft., 16-18 ft.	2.51	3.55	4.30	4.40	4.78	6.50
370 ft., 18-20 ft.	3.01	4.55	5.80	5.80	6.00	9.00
240 ft., 20-22 ft.	4.01	5.55	8.00	7.02	7.38	12.00
54 manholes	80.00	70.00	90.00	60.00	100.00	100.00
4 flushtanks	100.00	80.00	125.00	100.00	100.00	100.00
711 Y branches	1.00	.50	1.10	1.00	2.00	1.00
Totals	$28,834	$31,713	$34,050	$34,465	$42,050	$56,019

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